

2015 Divisional Award Winners

Junior - Biotechnology

Bronze Medallion (\$30 cash)

(079BTJ) Bio-ink for 3-D Printers
Students: Cynthia Zhang , Miranda Wu
School: Laurelwood P.S.

Senior - Biotechnology

Gold Medallion (\$100 cash)

(121BTS) Evaluating antimicrobial plant-derived compounds
Student: Devanshi Shukla
School: Centennial C. & V.I.

(073BTS) Sodium Sanitation Solution
Students: Fengyang Wang , Youn Seok Chong
School: Sir John A. Macdonald S.S.

(017BTS) Environmentally Friendly Drug Delivery System
Student: Zhenle Cao
School: Waterloo C.I. - Geotechnology

Junior - Earth and Environmental Science

Pewter Medallion

(070ESJ) Soil liquafacation
Students: Nathaniel Young , Devin Schnider
School: Edna Staebler P.S.

Bronze Medallion (\$30 cash)

(090ESJ) Losing Ground
Student: Erica Barra
School: St. John's-Kilmarnock School

(178ESJ) Pass The Salt: Salt Concentrations In The Speed Ri
Student: Sequoia Kim
School: John McCrae P.S.

Intermediate - Earth and Environmental Science

Gold Medallion (\$100 cash)

(028ESI) GPS Footprint: A Modern Approach to Emissions
Student: John Fish
School: Sir John A. Macdonald S.S.

Senior - Earth and Environmental Science

Gold Medallion (\$100 cash)

(128ESS) An Environmental Gamble
Students: Kevin Strauss , Matt Fish
School: Waterloo C.I. - Geotechnology

Junior - Engineering

Pewter Medallion

(203NGJ) What A Drag
Student: Brooke Ireland
School: St. John's-Kilmarnock School

(097NGJ) Plastic is so Last Year
Students: Claudia D'Costa , Kylie Lenartowicz
School: St. John Brebeuf C.S. - Erin

Bronze Medallion (\$30 cash)

(135NGJ) MagLev Trains vs Diesel Trains Comparison Study
Students: Nathan Lavoie , Sam Fewer
School: Wm. G. Davis P.S.

(053NGJ) Claw vs Magnet
Student: Ismaeel Anwar
School: Wm. G. Davis P.S.

(033NGJ) Invisible Mouse
Student: Soroush Ghodsi
School: Laurelwood P.S.

(161NGJ) To 3D Gyroscope or Not To 3D Gyroscope?
Students: Conner Armour , Ethan Bennett
School: Wm. G. Davis P.S.

(011NGJ) "What's the Buzz?" on automated pollination
Student: Olivia Pitschner
School: Wm. G. Davis P.S.

(099NGJ) Can We Filter Water Using Everyday Items
Students: Erin Fera , Dania Ernst
School: St. Agnes C.S.

Silver Medallion (\$40 cash)

(065NGJ) Passive Solar Heating
Student: Ethan Gilbert
School: Centennial P.S.

(207NGJ) Can I Improve Circulation For Wheelchair Users?
Student: Casey Baleshta
School: St. Agnes C.S.

Gold Medallion (\$70 cash)

(057NGJ) R.E.D.M.A.
Student: Sajeev Kohli
School: K.W. Bilingual School

(005NGJ) Rox in a Box
Student: Anne Gould
School: Hespeler P.S.

(153NGJ) The Third Wheel
Student: Ashna Jain
School: John Galt Public School

(125NGJ) Rocket Launch
Student: Salman Rasheed
School: Islamic School Of Cambridge

Intermediate - Engineering

Bronze Medallion (\$40 cash)

(059NGI) High-poly vs. Low-poly
Student: Jerre Wang
School: St. John's-Kilmarnock School

Senior - Engineering

Gold Medallion (\$100 cash)

(093NGS) ThermlS: Automation of Viral Symptom Detection
Student: George Utsin
School: Waterloo C.I. - Geotechnology

(147NGS) Dreamer: Easier than Counting Sheep
Students: Tianyu Guo , Keyan Raahemifar
School: Waterloo C.I. - Geotechnology

Junior - Life Science

Pewter Medallion

(167LSJ) What Would You Pick?
Student: Katelyn Reitsma
School: Guelph Community Christian School

(075LSJ) Does Magnetism Affect Bacteria?
Students: Luke Janik-Jones , Leon Arkhipov
School: Edna Staebler P.S.

- (141LSJ) The Stroop Effect
Students: Miky Tran , Yvonne Chen
School: Taylor Evans P.S.
- (127LSJ) You're Not The Only One Who's Scared Of Movies
Students: Gabriela Grande , Mariana Gomez
School: St. Paul C.S. - Kitchener
- (019LSJ) Do Fonts Affect Your Memory
Students: Melanie Arias Proenza , Emily Zhang
School: Taylor Evans P.S.
- (187LSJ) Which Apple is the Juiciest?
Student: Sydney VanderHoef
School: Laurentian Hills Christian School
- (085LSJ) Brain Drain
Student: Sara Dardarian
School: Hespeler P.S.
- (007LSJ) Cell phone distraction?
Student: Ben Tomka
School: Centennial P.S.
- (055LSJ) Pitch Perfect
Students: Brianna Aljoe , Emma Goodridge
School: Taylor Evans P.S.
- (023LSJ) ABC's and Zzz
Student: Bella Miller
School: Wm. G. Davis P.S. - Congregated Class
- (195LSJ) The Influence of Others
Students: Amy Wang , Kylie Hudon
School: Lester B. Pearson P.S.
- (105LSJ) Are Vaccines Healthy or Harmful Towards Your Body
Students: Jillian Walters , Sheheryar Qureshi
School: Wm. G. Davis P.S.
- (035LSJ) Keep Calm and Ace That Test
Students: Sheena Ye , KyungBin Son
School: Laurelwood P.S.
- (107LSJ) Fraudulent Behaviour in Adolescents
Students: Betty Guo , Helen Wang
School: Laurelwood P.S.
- (183LSJ) How Colour Affect's Memory
Students: Tristan Paarsalu , Liam Droekse
School: Centennial P.S.
- (131LSJ) The Power of Suggestion
Students: Emma Gowland , Erin Dawdy
School: Centennial P.S.
- (111LSJ) Gender Inequality in Children books
Students: Emma Arsenault , Hanna Nigussie
School: Edna Staebler P.S.
- (115LSJ) Spice It Up
Student: Owen Cole
School: Centennial P.S.
- Bronze Medallion (\$30 cash)**
- (045LSJ) Growing Pains
Student: Kylee Gault
School: Guelph Community Christian School
- (143LSJ) Recycling Water!
Student: Catherine Cheung
School: K.W. Bilingual School

- (151LSJ) Acid-Base Catalysis
Students: Kevin Hu , Alejandro Mansilla
School: K.W. Bilingual School
- (145LSJ) Focused??
Students: Marissa Condo , Megan Robart-Morgan
School: St. John Brebeuf C.S. - Erin
- (091LSJ) Rates of Photosynthesis
Student: Jasmine Teschke
School: Laurentian Hills Christian School
- (109LSJ) Colourful Memories
Student: Rebecca Kim
School: K.W. Bilingual School
- (119LSJ) Musical Memory
Student: Katelyn Holmes
School: Hespeler P.S.
- (191LSJ) Who is that?
Students: Avery McCorkell , Katrina Janzen
School: Centennial P.S.
- (189LSJ) What's Going On In Your Stomach?
Students: Ryan McCuaig , Christopher Jones
School: Rockway Mennonite Collegiate
- (185LSJ) Good Vibrations?
Students: Katrina Hermann , Maddy Heise
School: Wm. G. Davis P.S. - Congregated Class
- (137LSJ) Placebo Prescriptions- Ethical?
Student: Maria Diogenous
School: Wm. G. Davis P.S. - Congregated Class
- (081LSJ) Placebo Effect
Student: Mahika Mahajan
School: Wm. G. Davis P.S.
- (025LSJ) Pareidolia- People hear what they want to hear
Student: Zainab Fatima
School: Islamic School Of Cambridge
- Silver Medallion (\$40 cash)**
- (163LSJ) Beans Gone Bad
Student: Taylor Thurlow
School: Lincoln Heights P.S.
- (077LSJ) Raw versus cooked
Student: Marie De Mey
School: K.W. Bilingual School
- (159LSJ) Optical Illusions
Students: Kyrie Hannigan , Olivia Smith
School: Edna Staebler P.S.
- (087LSJ) How Are Screens Affecting Your Children's Brains?
Student: William Deaton
School: John McCrae P.S.
- (041LSJ) Font-astic
Student: Emily Silk
School: John McCrae P.S.
- (039LSJ) Now You See It, Now You Don't!
Students: Geetanjali Shankar , Victoria Bender-Jones
School: Lester B. Pearson P.S.
- Gold Medallion (\$70 cash)**
- (123LSJ) Effect of Herbs on Lactobacillus Rhamnosus
Student: Sadia Khan
School: Courtland P.S. - Congregated Class

(037LSJ) Is Multitasking Efficient?

Student: Vivek Patil

School: Centennial P.S. - Congregated Class

(083LSJ) Classical or Contemporary? Music as a Study Aid

Student: Charlotte Lilley

School: Wm. G. Davis P.S. - Congregated Class

(175LSJ) Getting Shorter

Students: Devorah Dolman , Natalie Mallet

School: Centennial P.S.

(171LSJ) It's Raining, it's Pouring, the Old Man is Crying

Student: Muna Mohamed

School: Islamic School Of Cambridge

Intermediate - Life Science

Pewter Medallion

(149LSI) Wrinkly Fingers

Student: May Xue

School: St. John's-Kilmarnock School

(181LSI) 5 Second Rule

Students: Elizabeth Dorfman , Sophia Briskin

School: Waterloo C.I. - Science

(169LSI) Wipe in One or More Directions?

Student: Richa Patel

School: Waterloo C.I. - Science

Bronze Medallion (\$40 cash)

(001LSI) Science or Nature: Which is the Better Cure?

Student: Saman Rashid

School: Cameron Heights C.I.

Silver Medallion (\$60 cash)

(043LSI) Greedy Media, Greedy Mind

Student: Nicki Aye

School: Waterloo C.I. - Science

Gold Medallion (\$100 cash)

(003LSI) Determinants of the Accuracy of BP Measurement

Student: Arjun Pandey

School: Waterloo C.I. - Geotechnology

(063LSI) Glucose Toxicity and the Importance of Glycolysis

Student: Nikhil Patil

School: Waterloo C.I. - Geotechnology

(133LSI) Binaural Beats: Bio-feedback via Brain Entrainment

Students: Rishika Geda , Kimia Raahemifar

School: Waterloo C.I. - Geotechnology

Senior - Life Science

Gold Medallion (\$100 cash)

(071LSS) The Impact of Burst Exercise in Type 2 Diabetics

Student: Avinash Pandey

School: Waterloo C.I. - Geotechnology

Junior - Physical and Mathematical Science

Pewter Medallion

(048PSJ) Oxidation Experimentation

Student: Reid Vrolyk

School: Edna Staebler P.S.

(080PSJ) Magnetic Acceleration

Student: Jonathan Choong

School: Guelph Community Christian School

(012PSJ) Liquid Spikes to New Heights
Student: Daniel Cheriyan
School: K.W. Bilingual School

(136PSJ) Science Friction
Student: Anna Fyfe
School: Laurentian Hills Christian School

(122PSJ) All About That Bass
Students: Ally Barrett , Elle D'Almada
School: St. John Brebeuf C.S. - Erin

(108PSJ) Marble Roller Coasters, All About The Distance
Student: Keenan Burke
School: Guelph Community Christian School

(150PSJ) Stain wars:Conventional vs.Eco-friendly detergents
Student: Luna Gao
School: Centennial P.S.

(022PSJ) Baseball Science (Stride vs. No Stride)
Student: Connor Bechthold
School: Hespeler P.S.

(164PSJ) Is That Vapour I see?
Students: Elora Yott , Megan Darlow
School: Hespeler P.S.

(134PSJ) Tis the Season to be Safe
Student: Elisha Levak
School: Guelph Community Christian School

(180PSJ) Detergent
Students: Arisa Tieu , Suriya Ragu
School: Wm. G. Davis P.S.

(198PSJ) Whiter teeth in a week?
Students: Riley Porter , Inbsat Asim
School: Wm. G. Davis P.S.

(020PSJ) Electrolyte Challenge
Student: Nic Ignatov
School: Centennial P.S.

(062PSJ) Do You East Iron For Breakfast?
Student: Nicole Schindler
School: St. Agnes C.S.

(196PSJ) Absorb This
Students: Andrew Thompson , Spencer Bertelsen
School: John McCrae P.S.

(118PSJ) Protective Effects of Toothpaste
Student: Emma Grekoff-Hunt
School: Wm. G. Davis P.S.

(184PSJ) let's Beet The environmental Asalt
Student: Sydney Winnett
School: St. Agnes C.S.

(092PSJ) Design of Bike Helmets and Impact of Air Flow
Students: Clare Ashton , Rachel Green
School: St. Andrew's P.S.

Bronze Medallion (\$30 cash)

(202PSJ) The Oxidation of Metals in Aqueous Solutions
Student: Jonathan Chin
School: Laurentian Hills Christian School

(042PSJ) Acid in Our Oceans
Student: Connor Frost
School: St. John's-Kilmarnock School

(026PSJ) Quest for Fire
Student: Lucas Skolseg
School: John McCrae P.S.

(010PSJ) The Power of Yeast
Students: Kaylyn Proudfoot , Amber Proudfoot
School: Taylor Evans P.S.

(204PSJ) The Antacid Effect
Student: Alessia Caci
School: K.W. Bilingual School

(038PSJ) Think Twice B4 Melting Ice
Student: Isaac Iskander
School: Hespeler P.S.

(174PSJ) Secure Fuse
Student: David Kroes
School: Guelph Community Christian School

(094PSJ) Heat Packs
Students: Emma Parkinson , Pavleen Sidhu
School: Wm. G. Davis P.S.

(158PSJ) Can You Manage The Damage?
Students: Sabina Neumayer , Sharanya Srirangam
School: Wm. G. Davis P.S. - Congregated Class

(166PSJ) Where Art Thou
Student: Evan Carr
School: John McCrae P.S.

(114PSJ) Natural vs Commercial Antacids
Student: Hayley McCormick
School: Wm. G. Davis P.S. - Congregated Class

(126PSJ) What's in a Shuffle
Student: Maximilian Mutch
School: Wm. G. Davis P.S. - Congregated Class

(044PSJ) 2 Stroke Engines VS 4 Stroke Engines
Student: Jessica Kroeze
School: Northlake Woods P.S.

(162PSJ) What toothpaste works the best
Student: Zain Alam
School: Islamic School Of Cambridge

(200PSJ) What is the best way to remove Graffiti?
Student: Hammad Ahmed
School: MAC Maple Grove School

(096PSJ) effectiveness of leather cleaners
Student: Jacqueline Heitzner
School: Rockway Mennonite Collegiate

Silver Medallion (\$40 cash)

(120PSJ) How Random Are You?
Student: Ethan White
School: Lester B. Pearson P.S.

(124PSJ) Exotic Fruit Batteries in Different Temperatures
Students: Thorben Wennemer , Viktor De Mey
School: K.W. Bilingual School

(084PSJ) Fetlock Angles
Student: Emily Davis
School: St. John's-Kilmarnock School

(030PSJ) Popping Teeth
Student: Gwyneth Sutherland
School: Laurentian Hills Christian School

(014PSJ) Additives in Gum: Tonne or None
Student: Justin VanderBerg
School: Guelph Community Christian School

(040PSJ) The Effects of Air Pressure on Soccer Training
Student: Sam Orend
School: Courtland P.S. - Congregated Class

(142PSJ) Put Another Log On The Fire
Student: Nicole Hogwood
School: Hespeler P.S.

(146PSJ) The 'Most Random' Number
Student: Helen Guo
School: Wm. G. Davis P.S. - Congregated Class

(064PSJ) Food=Fire=Electricity
Student: Stephanie Svaikauskas
School: John McCrae P.S.

(008PSJ) Emulsifiers dispersants and oil separation
Student: Brendan Marshall
School: Centennial P.S. - Congregated Class

(050PSJ) How does Spin Affect a Golf Ball's Flight and Roll
Student: Jonah McPhee
School: Centennial P.S.

Gold Medallion (\$70 cash)

(186PSJ) Lighting: The Effects on Bacterial Growth
Students: Brooklyn Winter , Claire Danis
School: K.W. Bilingual School

(032PSJ) The Chemistry of Cookies
Student: Alycia Berg
School: Wm. G. Davis P.S. - Congregated Class

(036PSJ) Humans Versus Computers
Student: Alex Eliasmith
School: Centennial P.S.

(074PSJ) Impact of Particle Concentration on Tyndall Effect
Student: Anuva Pal
School: Centennial P.S.

(148PSJ) In the Drink
Student: Rachael Young
School: John McCrae P.S.

(082PSJ) Natural Versus Commercial: The Clean Truth
Student: Ashok Pandey
School: Centennial P.S.

Intermediate - Physical and Mathematical Science

Bronze Medallion (\$40 cash)

(176PSI) How Clean is Your Mouth
Student: Lauren Hiscock
School: St. John's-Kilmarnock School

(160PSI) Take A Brake
Student: Bartlomiej Mozdzen
School: St. John's-Kilmarnock School

(116PSI) The Disappearing Act
Student: Matea Ceric
School: Waterloo C.I. - Science

(104PSI) Which Substance Melts Ice the Fastest?
Student: Muhammed Chaudhry
School: Cameron Heights C.I.

Silver Medallion (\$60 cash)

(052PSI) In Pursuit of the Traveling Salesman

Student: Zachary Trefler

School: Waterloo C.I. - Geotechnology

(112PSI) Sound Reflection Lab --- Sound Good?

Student: Keyuan Wang

School: Waterloo C.I. - Science

Gold Medallion (\$100 cash)

(102PSI) Energizing Electrolytes

Student: Advait Maybhate

School: Sir John A. Macdonald S.S.

(190PSI) A Sticky Situation

Students: Danish Baig , Davis Zink

School: Waterloo C.I. - Science

Senior - Physical and Mathematical Science**Silver Medallion (\$60 cash)**

(066PSS) Detecting Lead (II) Ions in Water and Dye Samples

Student: Janat Ibrahimi

School: Centennial C. & V.I.

Best in Division - Biotechnology**Plaque**

(121BTS) Evaluating antimicrobial plant-derived compounds

Student: Devanshi Shukla

School: Centennial C. & V.I.

Best in Division - Earth and Environmental Science**Plaque**

(028ESI) GPS Footprint: A Modern Approach to Emissions

Student: John Fish

School: Sir John A. Macdonald S.S.

Best in Division - Engineering**Plaque**

(093NGS) ThermlS: Automation of Viral Symptom Detection

Student: George Utsin

School: Waterloo C.I. - Geotechnology

Best in Division - Life Science**Plaque**

(003LSI) Determinants of the Accuracy of BP Measurement

Student: Arjun Pandey

School: Waterloo C.I. - Geotechnology

Best in Division - Physical and Mathematical Science**Plaque**

(102PSI) Energizing Electrolytes

Student: Advait Maybhate

School: Sir John A. Macdonald S.S.

2015 Special Award Winners

Stephen J. Little Award for Science Presentation

Trophy and Chapters Gift Card

(005NGJ) Rox in a Box
Student: Anne Gould
School: Hespeler P.S.

Best Written Report

Junior - Trophy

(202PSJ) The Oxidation of Metals in Aqueous Solutions
Student: Jonathan Chin
School: Laurentian Hills Christian School

(123LSJ) Effect of Herbs on Lactobacillus Rhamnosus
Student: Sadia Khan
School: Courtland P.S. - Congregated Class

(178ESJ) Pass The Salt: Salt Concentrations In The Speed Ri
Student: Sequoia Kim
School: John McCrae P.S.

(032PSJ) The Chemistry of Cookies
Student: Alycia Berg
School: Wm. G. Davis P.S. - Congregated Class

(099NGJ) Can We Filter Water Using Everyday Items
Students: Erin Fera , Dania Ernst
School: St. Agnes C.S.

Intermediate - Trophy

(003LSI) Determinants of the Accuracy of BP Measurement
Student: Arjun Pandey
School: Waterloo C.I. - Geotechnology

Senior - Trophy

(121BTS) Evaluating antimicrobial plant-derived compounds
Student: Devanshi Shukla
School: Centennial C. & V.I.

Sir Isaac Newton Award - Junior

Chapters Gift Certificate

(082PSJ) Natural Versus Commercial: The Clean Truth
Student: Ashok Pandey
School: Centennial P.S.

Sir Isaac Newton Award - Intermediate

Chapters Gift Certificate

(102PSI) Energizing Electrolytes
Student: Advait Maybhate
School: Sir John A. Macdonald S.S.

Sir Isaac Newton Award - Senior

Chapters Gift Certificate

(066PSS) Detecting Lead (II) Ions in Water and Dye Samples
Student: Janat Ibrahimi
School: Centennial C. & V.I.

Chem 13 Award

One year subscription to Scientific American or another scientific journal deemed suitable for the level of the recipient.

(032PSJ) The Chemistry of Cookies
Student: Alycia Berg
School: Wm. G. Davis P.S. - Congregated Class

2015 Other Award Winners

Catalyst Leadership Award

Top engineering project which demonstrates creativity and leadership (\$600 scholarship)

(133LSI) Binaural Beats: Bio-feedback via Brain Entrainment
Students: Rishika Geda , Kimia Raahemifar
School: Waterloo C.I. - Geotechnology

Engineering Science Quest Award

summer science camp (\$300 scholarship)

(153NGJ) The Third Wheel
Student: Ashna Jain
School: John Galt Public School

REAL Summer Scholarship

summer research experience (\$2800 scholarship)

(121BTS) Evaluating antimicrobial plant-derived compounds
Student: Devanshi Shukla
School: Centennial C. & V.I.

Shad Valley Scholarships

scholarship to attend Shad Valley (\$500 scholarship)

(028ESI) GPS Footprint: A Modern Approach to Emissions
Student: John Fish
School: Sir John A. Macdonald S.S.

(102PSI) Energizing Electrolytes
Student: Advait Maybhate
School: Sir John A. Macdonald S.S.

(003LSI) Determinants of the Accuracy of BP Measurement
Student: Arjun Pandey
School: Waterloo C.I. - Geotechnology

(052PSI) In Pursuit of the Traveling Salesman
Student: Zachary Trefler
School: Waterloo C.I. - Geotechnology

(063LSI) Glucose Toxicity and the Importance of Glycolysis
Student: Nikhil Patil
School: Waterloo C.I. - Geotechnology

(133LSI) Binaural Beats: Bio-feedback via Brain Entrainment
Students: Rishika Geda , Kimia Raahemifar
School: Waterloo C.I. - Geotechnology

(112PSI) Sound Reflection Lab --- Sound Good?
Student: Keyuan Wang
School: Waterloo C.I. - Science

(190PSI) A Sticky Situation
Students: Danish Baig , Davis Zink
School: Waterloo C.I. - Science

(043LSI) Greedy Media, Greedy Mind
Student: Nicki Aye
School: Waterloo C.I. - Science

2015 Grand Award Winners

Award of Merit

All expense paid trip to the Canada-Wide Science Fair

(093NGS) ThermlS: Automation of Viral Symptom Detection

Student: George Utsin

School: Waterloo C.I. - Geotechnology

(028ESI) GPS Footprint: A Modern Approach to Emissions

Student: John Fish

School: Sir John A. Macdonald S.S.

(121BTS) Evaluating antimicrobial plant-derived compounds

Student: Devanshi Shukla

School: Centennial C. & V.I.

(003LSI) Determinants of the Accuracy of BP Measurement

Student: Arjun Pandey

School: Waterloo C.I. - Geotechnology

(057NGJ) R.E.D.M.A.

Student: Sajeev Kohli

School: K.W. Bilingual School

(063LSI) Glucose Toxicity and the Importance of Glycolysis

Student: Nikhil Patil

School: Waterloo C.I. - Geotechnology

(133LSI) Binaural Beats: Bio-feedback via Brain Entrainment

Students: Rishika Geda , Kimia Raahemifar

School: Waterloo C.I. - Geotechnology

(153NGJ) The Third Wheel

Student: Ashna Jain

School: John Galt Public School

The Award of Excellence

Cash, Certificate, Medallion and Admission Scholarship to University of Ottawa (\$250 cash / \$1000 scholarship)

(003LSI) Determinants of the Accuracy of BP Measurement

Student: Arjun Pandey

School: Waterloo C.I. - Geotechnology