

2016 Divisional Award Winners

Intermediate - Biotechnology

Gold Medallion (\$100 cash)

(067BTI) Influence Of Habitat On Cellobiase Activity

Student: Allison Cai

School: Centennial C. & V.I.

Senior - Biotechnology

Gold Medallion (\$100 cash)

(001BTS) A biosensor for microbial contamination

Student: Devanshi Shukla

School: Centennial C. & V.I.

Junior - Earth and Environmental Science

Silver Medallion (\$40 cash)

(176ESJ) H2O Makes Suds Grow

Student: Nicole Schindler

School: St. Agnes C.S.

Gold Medallion (\$70 cash)

(162ESJ) Basically H2O

Student: Marie De Mey

School: K.W. Bilingual School

Intermediate - Earth and Environmental Science

Silver Medallion (\$60 cash)

(030ESI) Biological Oxygen Demand- Modeling the Grand River

Student: Nicholas Pfeifle

School: Waterloo C.I. - Geotechnology

Senior - Earth and Environmental Science

Bronze Medallion (\$40 cash)

(014ESS) Predicting Shark Attacks Using GIS

Student: Jacob Beer

School: Waterloo C.I. - Geotechnology

Junior - Engineering

Pewter Medallion

(022NGJ) Perfect Plasma

Students: Philip Salmon , Brandon Biggs

School: St. Francis of Assisi

(040NGJ) Mouse Glove

Student: Nabeel Ahmed

School: Wm. G. Davis P.S.

Bronze Medallion (\$30 cash)

(066NGJ) Smart Watering System

Student: Omar Atwa

School: Centennial P.S.

(152NGJ) water walking robot

Student: Viktor De Mey

School: K.W. Bilingual School

Silver Medallion (\$40 cash)

(108NGJ) Winging It

Student: Nathan Lavoie

School: Wm. G. Davis P.S.

(028NGJ) Measuring Radon in houses

Student: Michael Denissov

School: Individual Entry

Gold Medallion (\$70 cash)

(072NGJ) Efficiency of Stove Tops

Student: Ian Praetzel

School: Individual Entry

(118NGJ) Flora Filter

Student: Ashna Jain

School: John Galt Public School

(068NGJ) CPU Cooling With Nanofluids

Student: Matt Kendall

School: St. John's-Kilmarnock School

(032NGJ) A.H.A. (Adaptable Home Automation)

Student: Kevin Hu

School: K.W. Bilingual School

Intermediate - Engineering

Pewter Medallion

(110NGI) Using the Phone as an Intuitive HID

Student: Andy Bao

School: Waterloo C.I. - Science

Gold Medallion (\$100 cash)

(084NGI) Emphyreal Efficiency

Students: Aditi Venkatraman , Sameeksha Naik

School: Waterloo C.I. - Geotechnology

(092NGI) Temperature Manipulation Desalination

Student: Sam Orend

School: Cameron Heights C.I.

Senior - Engineering

Gold Medallion (\$100 cash)

(060NGS) A Novel Method in Tree Biomass Calculation

Student: John Fish

School: Sir John A. Macdonald S.S.

Junior - Life Science

Pewter Medallion

(093LSJ) Musical Keys

Student: Kylie McCracken

School: Edna Staebler P.S.

(055LSJ) Mind Blown by iPhone!

Students: Isabella Schmidt , Kangan Mahajan

School: Edna Staebler P.S.

(145LSJ) The Best Colour of Light to Grow Plants

Students: Ben Lu , Mark Kolodziej

School: Centennial P.S.

(077LSJ) Think Fast

Student: Hannah Castell

School: Centennial P.S.

(027LSJ) Colours that yield your attention

Student: Sarah Roumia

School: Centennial P.S.

(003LSJ) Breathing Frequency and HR Recovery

Student: David Wong

School: Centennial P.S.

(155LSJ) Plants and Radiation

Students: Fan Rosenau , Wendy Liu

School: Centennial P.S.

(081LSJ) The Sensitive Side:Touch, Texture & Hand Dominance
Student: Charlotte Turner
School: Wm. G. Davis P.S. - Congregated Class

(009LSJ) Food Aids My Grades?
Student: Arisa Tieu
School: Wm. G. Davis P.S. - Congregated Class

(047LSJ) Do you see what I see?
Student: Eliza McCann
School: John McCrae P.S.

(063LSJ) Blood Groups
Student: Sneha Balaji
School: Laurelwood P.S.

(035LSJ) Simulating the Neuron - Creativity in the Brain?
Student: Daniel Yu
School: Centennial P.S. - Congregated Class

(141LSJ) The Green Grass effect
Students: Reagan Spencer , Madalynn Hussey
School: Hespeler P.S.

(127LSJ) Get Growing
Students: Payton Mackey , Nicole Castano
School: Rockway Mennonite Collegiate

(101LSJ) There's HOW much sugar in that?!
Student: Emma Hoffman
School: Hespeler P.S.

(039LSJ) Captive Corruptions
Student: Julia Nicolaisen
School: Northlake Woods P.S.

(015LSJ) A Psychological Experiment
Students: Zosia Korsak , Chiara Caldarelli
School: Lester B. Pearson P.S.

(117LSJ) The Growing Games: Comparing Growth Mediums
Students: Jeffrey Sun , Sharanya Srirangam
School: Wm. G. Davis P.S. - Congregated Class

(131LSJ) Motivational Learning
Students: Luke Sinclair , Gary Shen
School: Centennial P.S.

(087LSJ) Can You Feel the Beat?
Students: Gabriela Grande , Mariana Gomez
School: St. Paul C.S. - Kitchener

(097LSJ) Nanotechnology (cancers secret weapon)
Students: Elizabeth Campbell , Isabel Uribe Perez
School: Laurelwood P.S.

(073LSJ) Effect of Color on Human Memory
Student: Salma Aldeeb
School: Islamic School Of Cambridge

(167LSJ) Investigation Lung Capacity
Student: Fatima Muneer
School: Islamic School Of Cambridge

(100LSJ) Are Fingerprints Genetic?
Students: Rowan Staines , Ruby Embrey
School: John McCrae P.S.

(165LSJ) Jam It Up!
Students: Hailey Duggan , Hayley Szymanowski
School: Wm. G. Davis P.S.

(033LSJ) Rule Breakers
Students: Wajeeha Ansari , Adriana Ofrim
School: Wm. G. Davis P.S.

Bronze Medallion (\$30 cash)

- (137LSJ) Is the Pen Mightier than the Keyboard?
Students: Henry O'Connor , Hayley van Eykeren
School: Edna Staebler P.S.
- (163LSJ) Stressed Out
Students: Emily Roest , Vivian Huth
School: Centennial P.S.
- (075LSJ) Pepsi vs Coke
Students: Sophie Nyman , Malak Mooman
School: Lester B. Pearson P.S.
- (045LSJ) Playing With Yr Food:How Expectation Affects Taste
Student: Gemma Turner
School: Wm. G. Davis P.S. - Congregated Class
- (061LSJ) Music Helps Me Study... Honest!
Student: Riley Porter
School: Wm. G. Davis P.S.
- (011LSJ) Eyes On The Road
Student: Owen Kent
School: Centennial P.S.
- (051LSJ) Subliminal Suggestion - Does it Work?
Student: Emily Kerr
School: Centennial P.S.
- (105LSJ) EFFECTS OF ICE-MELTER SALT ON OUR ENVIRONMENT
Student: Ummugulsum Rose Ermis
School: Islamic School Of Cambridge
- (169LSJ) What Image Do You Like?
Student: Ethan White
School: Centennial P.S. - Congregated Class

(171LSJ) The Five Second Rule
Students: Miranda Veroba , Naomi de Vlaming
School: Centennial P.S.

(007LSJ) Aquaponics system
Students: Layla Estanbouly , Nawal Hussein
School: MAC Maple Grove School

(019LSJ) Are Fingerprint Patterns Inherited?
Student: Ramla Bana
School: Islamic School Of Cambridge

Silver Medallion (\$40 cash)

- (103LSJ) Valley of Uncanniness
Student: Keenan Gugeler
School: Centennial P.S.
- (091LSJ) Remembering Rainbows
Students: Claire Reid , Grace Zhou
School: Wm. G. Davis P.S. - Congregated Class
- (109LSJ) Cloudy with a chance of acid
Students: Holly MacGillivray , Maddy Pollock
School: Centennial P.S.
- (065LSJ) Groovy Growths
Student: Michael Haas
School: St. Agnes C.S.
- (099LSJ) Was that Darth Vader?
Student: Tristan Landry
School: St. John's-Kilmarnock School
- (161LSJ) Can You See It?
Students: Josephine Poon , Grace Li
School: Wm. G. Davis P.S. - Congregated Class

(121LSJ) How Hot and Cold Temperatures Affect your Memory
Students: Siddharth Naik , Thomas Dent
School: Centennial P.S.

(113LSJ) Are You Random?
Student: William Deaton
School: John McCrae P.S.

(031LSJ) Life is a 'twitch'
Students: Abigail Burrett-Underwood , Lauren Gillett
School: Silverheights P.S.

(139LSJ) Conformity
Students: Cindy Nguyen , Irsa Rashid
School: Centennial P.S.

Gold Medallion (\$70 cash)

(083LSJ) The Impact of Modelled Signalling in Roundabouts
Student: Ruth Meyer
School: Centennial P.S.

(089LSJ) The Impact of Yoga on BP and Heart Rate
Student: Ashok Pandey
School: Centennial P.S.

(046LSJ) The Resistance Awakens
Student: Adam Martinez
School: Centennial P.S. - Congregated Class

(151LSJ) The Effect of Aerobic Exercise on Memory
Student: Adi Peetush
School: Laurelwood P.S.

(123LSJ) Would You Eat it?
Student: Yusuf Susiwala
School: St. John's-Kilmarnock School

(149LSJ) The Toxic Beanstalk
Student: Matthew Ciavarró
School: St. John's-Kilmarnock School

(041LSJ) A Taste of Your Own Medicine
Student: Anna Fyfe
School: Laurentian Hills Christian School

(111LSJ) Do You Remember?
Student: Geetanjali Shankar
School: Lester B. Pearson P.S.

(085LSJ) Bluetooth Effect on Drivers' Safety
Student: Shereen Akkila
School: MAC Maple Grove School

Intermediate - Life Science

Pewter Medallion

(021LSI) Colour Me Surprised!
Student: Henry Stevens
School: St. John's-Kilmarnock School

Bronze Medallion (\$40 cash)

(107LSI) Superbug
Student: Saihaj Dhillon
School: St. John's-Kilmarnock School

Silver Medallion (\$60 cash)

(143LSI) Techno or No-Tech?
Students: Daisy Martin , Rhiannon Braid
School: Waterloo C.I. - Science

Senior - Life Science

Pewter Medallion

- (049LSS) Surpassing Evolution: Graphene Osseointegration
Student: Logan Ingalls
School: Sir John A. Macdonald S.S.

Gold Medallion (\$100 cash)

- (095LSS) The Cardiometabolic Effects of Dietary Probiotics
Student: Arjun Pandey
School: Waterloo C.I. - Geotechnology
- (057LSS) Detection of DNA Integration After Anhydrobiosis
Student: Owen Robison
School: Centennial C. & V.I.

Junior - Physical and Mathematical Science

Pewter Medallion

- (122PSJ) It's Cooler with a Blind
Student: Amy Praetzel
School: Individual Entry
- (018PSJ) Hearing the Colours
Student: Hadi Almalki
School: Centennial P.S.
- (104PSJ) Tomorrow's Technology
Student: Calla Mueller
School: Wm. G. Davis P.S. - Congregated Class
- (128PSJ) Which Type Of Fabric Dyes The Best
Student: Ella Woolcott
School: Wm. G. Davis P.S.
- (168PSJ) Clean Water for Everyone
Students: Emma Yee , Anna Whitney
School: Hespeler P.S.

- (158PSJ) Beauty In The Eye Of Science
Students: Emma Parkinson , Eknor Walia
School: Wm. G. Davis P.S.

- (166PSJ) What a Drag
Student: Madeline Vukovic
School: St. John's-Kilmarnock School

- (170PSJ) What Affects The Rate Of Evaporation
Students: Vansh Bhanot , Ojas Chahal
School: Wm. G. Davis P.S. - Congregated Class

- (024PSJ) What if a Very massive asteroid entered our orbit?
Student: Kamal Al Alwan
School: Lincoln Heights P.S.

- (034PSJ) How Freezing Changes Hockey Puck Elasticity
Student: Leander Endres
School: Centennial P.S.

- (036PSJ) Snap That: The Complexity of Elasticity
Students: Sarah McLaren , Lily Boughton
School: Wm. G. Davis P.S. - Congregated Class

- (012PSJ) To Be Or Not To BPA Free
Students: Jessie Lai , Alejandro Mansilla
School: K.W. Bilingual School

Bronze Medallion (\$30 cash)

- (130PSJ) Water Hardness
Students: Nabeeha Khan , Gabrielle Tiffin
School: Edna Staebler P.S.

- (070PSJ) Fried
Student: Rose Van Hemmen
School: St. Francis of Assisi

(042PSJ) Starlight, Where Do You See It Most?
Student: Olivia Clay
School: Centennial P.S.

(096PSJ) Which Drink Contains the Most Electrolytes?
Student: Riley Dargel
School: Centennial P.S.

(114PSJ) Do ProV1's Go Farther?
Students: Charlie Reist , Robby Brecht
School: Centennial P.S.

(112PSJ) Staining And Whitening... Does it work?
Students: Lily Corkill , Kaitlyn Marchetti
School: Hespeler P.S.

(160PSJ) From trash to gas: Biomass energy
Students: Ainslee Staines , Avery Thorne
School: John McCrae P.S.

(156PSJ) Thermal Expansion
Student: Sarah Ahmed
School: MAC Maple Grove School

Silver Medallion (\$40 cash)

(016PSJ) Home Insulation
Students: Olivia Smith , Emersen Snider
School: Edna Staebler P.S.

(062PSJ) Harnessing the Elements
Student: Lucas Skolseg
School: John McCrae P.S.

(102PSJ) It all Comes out in the Wash?
Students: Claire Danis , Brooklyn Winter
School: K.W. Bilingual School

(050PSJ) Stop Overreacting
Students: Sarah Bakker , Avery Francq
School: K.W. Bilingual School

(136PSJ) Battle of the Water Bottles
Students: Myah Robinson , Jaclyn Brennan
School: Wm. G. Davis P.S. - Congregated Class

(146PSJ) Progressive Amplification In Chaotic Systems
Student: Max Powell
School: Courtland P.S. - Congregated Class

Gold Medallion (\$70 cash)

(124PSJ) What's for Lunch?
Student: Rachael Young
School: John McCrae P.S.

(074PSJ) The Dirt on Germs
Student: Hayley McCormick
School: Wm. G. Davis P.S. - Congregated Class

Intermediate - Physical and Mathematical Science

Pewter Medallion

(076PSI) Semi-Permeable or Not
Student: Anjali Kota
School: St. John's-Kilmarnock School

Bronze Medallion (\$40 cash)

(154PSI) Bettering Your Battery
Students: Tori Chen , Joy He
School: Waterloo C.I. - Science

Silver Medallion (\$60 cash)

(126PSI) Material Reduces Exposure to Harmful Waves
Student: Bahareh Rafi
School: Waterloo C.I. - Science

Gold Medallion (\$100 cash)

(120PSI) Looking @ Lactose

Student: Advait Maybhate

School: Sir John A. Macdonald S.S.

(172PSI) Infrared Sensory Augmentation and Spatiotemporal P

Students: Atif Mahmud , Zachary Trefler

School: Waterloo C.I. - Science

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

(052PSS) DBM and Dipyrindine Co-Crystallines: A Study

Students: Janan Shojadoost , Mahwish Khan

School: Centennial C. & V.I.

Best in Division - Biotechnology**Plaque**

(067BTI) Influence Of Habitat On Cellobiase Activity

Student: Allison Cai

School: Centennial C. & V.I.

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

(162ESJ) Basically H₂O

Student: Marie De Mey

School: K.W. Bilingual School

Best in Division - Engineering**Plaque**

(060NGS) A Novel Method in Tree Biomass Calculation

Student: John Fish

School: Sir John A. Macdonald S.S.

Best in Division - Life Science**Plaque**

(046LSJ) The Resistance Awakens

Student: Adam Martinez

School: Centennial P.S. - Congregated Class

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

(172PSI) Infrared Sensory Augmentation and Spatiotemporal P

Students: Atif Mahmud , Zachary Trefler

School: Waterloo C.I. - Science

2016 Special Award Winners**Stephen J. Little Award for Science Presentation****Trophy and Chapters Gift Card**

(118NGJ) Flora Filter

Student: Ashna Jain

School: John Galt Public School

Best Written Report**Junior - Trophy**

(122PSJ) It's Cooler with a Blind

Student: Amy Praetzel

School: Individual Entry

(118NGJ) Flora Filter

Student: Ashna Jain

School: John Galt Public School

(151LSJ) The Effect of Aerobic Exercise on Memory
Student: Adi Peetush
School: Laurelwood P.S.

(032NGJ) A.H.A. (Adaptable Home Automation)
Student: Kevin Hu
School: K.W. Bilingual School

(074PSJ) The Dirt on Germs
Student: Hayley McCormick
School: Wm. G. Davis P.S. - Congregated Class

Intermediate - Trophy

(107LSI) Superbug
Student: Saihaj Dhillon
School: St. John's-Kilmarnock School

Senior - Trophy

(095LSS) The Cardiometabolic Effects of Dietary Probiotics
Student: Arjun Pandey
School: Waterloo C.I. - Geotechnology

Sir Isaac Newton Award - Junior

Chapters Gift Certificate

(124PSJ) What's for Lunch?
Student: Rachael Young
School: John McCrae P.S.

Sir Isaac Newton Award - Intermediate

Chapters Gift Certificate

(172PSI) Infrared Sensory Augmentation and Spatiotemporal P
Students: Atif Mahmud , Zachary Trefler
School: Waterloo C.I. - Science

Sir Isaac Newton Award - Senior

Chapters Gift Certificate

(052PSS) DBM and Dipyridine Co-Crystallines: A Study
Students: Janan Shojadoost , Mahwish Khan
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.

(120PSI) Looking @ Lactose
Student: Advait Maybhate
School: Sir John A. Macdonald S.S.

2016 Other Award Winners

Catalyst Leadership Award

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

(092NGI) Temperature Manipulation Desalination
Student: Sam Orend
School: Cameron Heights C.I.

2016 Grand Award Winners

(092NGI) Temperature Manipulation Desalination
Student: Sam Orend
School: Cameron Heights C.I.

Award of Merit

All expense paid trip to the Canada-Wide Science Fair

(060NGS) A Novel Method in Tree Biomass Calculation

Student: John Fish

School: Sir John A. Macdonald S.S.

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Student: Adam Martinez

School: Centennial P.S. - Congregated Class

(001BTS) A biosensor for microbial contamination

Student: Devanshi Shukla

School: Centennial C. & V.I.

(095LSS) The Cardiometabolic Effects of Dietary Probiotics

Student: Arjun Pandey

School: Waterloo C.I. - Geotechnology

(057LSS) Detection of DNA Integration After Anhydrobiosis

Student: Owen Robison

School: Centennial C. & V.I.

The Award of Excellence

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

(046LSJ) The Resistance Awakens

Student: Adam Martinez

School: Centennial P.S. - Congregated Class