

2014 Divisional Award Winners

Intermediate - Biotechnology

Pewter Medallion

(191BTI) Chirality in Glucose
Student: Hayley Vlasschaert
School: Waterloo C.I.

Gold Medallion (\$100 cash)

(049BTI) Quorum sensing: Indicating herbal plant efficiency
Student: Devanshi Shukla
School: Centennial C. & V.I.

Senior - Biotechnology

Silver Medallion (\$60 cash)

(143BTS) Soybean and Maize interaction through Mycorrhizae
Students: Tim Wu , Peter Zeng
School: Centennial C. & V.I.

Gold Medallion (\$100 cash)

(065BTS) Super Surfactants: Oil Be Gone!
Students: Fengyang Wang , Tom Chong
School: Sir John A. Macdonald S.S.

(189BTS) Treatment of S.aureus with Manuka Honey
Students: Isaac Thevathasan , Anit Bhattacharyya
School: Centennial C. & V.I.

Junior - Earth and Environmental Science

Pewter Medallion

(017ESJ) A Breath of Fresh Air
Student: Megan Kent
School: Centennial P.S.

(199ESJ) Climate Change - Global Warming
Student: Chandra Keerthi
School: Laurelwood P.S.

Senior - Earth and Environmental Science

Pewter Medallion

(075ESS) Honolulu tsunami hazard mapping
Students: Nirupam Singh , Lukas van Arragon
School: Waterloo C.I.

Bronze Medallion (\$40 cash)

(105ESS) Soil Erosion in Veracruz, Mexico
Students: Julie Vuong , Megan Smith
School: Waterloo C.I.

Gold Medallion (\$100 cash)

(145ESS) Using Geotechnology to Assist Wildfire Prevention
Students: Matt Fish , Nicholash Bedi
School: Waterloo C.I.

(103ESS) The Calculated Crisis
Students: Kevin Strauss , Kevin Dong
School: Waterloo C.I.

Junior - Engineering

Pewter Medallion

(026NGJ) Flexing Wired Muscles
Student: Sherwood Marks
School: Rockway Mennonite Collegiate

(096NGJ) Nitinol Motor
Student: Christa Wise
School: K.W. Bilingual School

(178NGJ) What's Cookin'?
Students: Jared Jasinski , Ethan Surian
School: Westheights P.S.

(138NGJ) Hydroelectric Turbines: The More the Better?
Student: David Doell
School: John McCrae P.S.

(174NGJ) Kelvin Electrostatic Generator
Student: Luke Lawson
School: John McCrae P.S.

(058NGJ) Window Farming
Student: Alex Salsali
School: Centennial P.S.

Bronze Medallion (\$30 cash)

(078NGJ) Camera Obscura
Student: Samuel Phippen
School: John McCrae P.S.

(182NGJ) Soaring to New Heights: Human-Powered Flight
Student: Brendan Chin-Quee
School: St. John's-Kilmarnock School

(066NGJ) POLLUTION SOLUTION
Student: Parth Patel
School: Hespeler P.S.

(196NGJ) "Water" You Gonna Do Without Clean Water?
Students: Catherine Paige , Emily Lang
School: Westheights P.S.

(034NGJ) Will Temperature Affect Fuel Efficiency?
Student: Ryan Hagarty
School: Centennial P.S.

Silver Medallion (\$40 cash)

(118NGJ) Repulsive Cars
Student: Zachary Trefler
School: Centennial P.S. - Congregated Class

(100NGJ) EV3-LUTIONIZED ROBOTS
Student: Lyndon Tang
School: Laurelwood P.S.

(006NGJ) Building and using an eye tracker
Student: Alex Eliasmith
School: Centennial P.S.

(022NGJ) Aerodynamics and the Science Behind Flight
Student: Oscar Judelson-Kelly
School: Centennial P.S. - Congregated Class

Gold Medallion (\$70 cash)

(180NGJ) Soak it Up! - An Oil Spill Solution
Student: Rita Zamzam
School: Centennial P.S. - Congregated Class

(166NGJ) Now uSEE Me
Students: Sajeev Kohli , Travis Mammoliti
School: K.W. Bilingual School

(018NGJ) Batteries Not Included
Student: Rawan Sakalla
School: Westheights P.S.

(098NGJ) Know Your Knees 101
Students: Mikayla Clermont , Rhiannon Braid
School: Lester B. Pearson P.S.

Intermediate - Engineering

Pewter Medallion

(076NGI) BUTTERFLIGHT

Student: Megan Berry

School: St. John's-Kilmarnock School

(040NGI) C.A.M.R.A.: A Revolution

Student: Matthew Shaw

School: Centennial C. & V.I.

Bronze Medallion (\$40 cash)

(176NGI) Need a Lift?

Student: Mattea Powell

School: St. John's-Kilmarnock School

Silver Medallion (\$60 cash)

(010NGI) Little Missed Sunshine

Student: Leela Keshav

School: Waterloo C.I.

Gold Medallion (\$100 cash)

(064NGI) MicroFilters: Using Tweets For Disaster Management

Student: Andrew Ilyas

School: Waterloo C.I.

(140NGI) The Battery to Beat

Students: Tiger Jian , Elbert Lai

School: Waterloo C.I.

Senior - Engineering

Gold Medallion (\$100 cash)

(002NGS) AlgEYE: Automation of algal hydrogen production

Student: George Utsin

School: Waterloo C.I.

Junior - Life Science

Pewter Medallion

(155LSJ) Study While Sleeping

Student: Hrithik Patel

School: Edna Staebler P.S.

(135LSJ) Will Redheads go Extinct?

Student: Akash Jain

School: John Galt Public School

(151LSJ) Eyewitness Testimonies Are they reliable?

Student: Jillian Seehaver

School: Centennial P.S.

(193LSJ) Your Memory

Students: Ana Radovanovic , Emma Turner

School: Centennial P.S.

(011LSJ) How Does Salt Affect Seed Germination?

Student: Teagan Bridges

School: Taylor Evans P.S.

(133LSJ) With Or Without Glasses- How Do People See You

Students: Mallory Sanderson , Jessica Aspinall

School: Taylor Evans P.S.

(015LSJ) Brain Freeze!!!

Student: Cara Webber

School: St. John's-Kilmarnock School

(159LSJ) Typing Speed: Gaming vs. Social Media

Students: Leanne Le , Caitlyn Cross

School: Westheights P.S.

(169LSJ) Adrenaline Rush

Students: Isabella Mountryvong , Natalie Thomas

School: Westheights P.S.

(117LSJ) Lights, Camera, ACTION!
Student: Zoe Hoyte
School: Hespeler P.S.

(089LSJ) Yummy Gummy
Student: Mikaila Cameron
School: Hespeler P.S.

(129LSJ) Is Wi-fi Harmful?
Students: Jeff Dugan , Filip Popovic'
School: Centennial P.S.

(013LSJ) Are you Hydrated?
Student: Calvin Fogler
School: John McCrae P.S.

(041LSJ) Concentration or Distraction
Student: Rachel Cuahutle
School: Hespeler P.S.

(147LSJ) Smiley Faces And Pareidolia
Student: Markus Kangur
School: Centennial P.S. - Congregated Class

(185LSJ) Who Can Remember?
Students: Raegan Allan , Tori Chen
School: Centennial P.S.

Bronze Medallion (\$30 cash)

(157LSJ) Spell Cheque?
Students: Elizabeth Crowley , Natalie Vetzal
School: Centennial P.S.

(095LSJ) Bacteria Boost
Students: Sasha Friddell , Eileen Carette
School: Centennial P.S. - Congregated Class

(109LSJ) Effects of Acid Rain on Living Organisms
Student: Vanessa Thongsomsanith
School: John McCrae P.S.

(113LSJ) The Importance of Blinding
Student: Emily Steiner
School: K.W. Bilingual School

(119LSJ) The Five Second Rule - Fact or Fiction?
Students: Peter Jones , Christopher Jones
School: Rockway Mennonite Collegiate

(047LSJ) The Electronic Evaluation
Student: Jensen Lawrence
School: K.W. Bilingual School

(079LSJ) It's a Girl... Or a Boy?
Student: Maddi Peng
School: Westheights P.S.

(009LSJ) CranRinse
Student: Jonathan Sibisan
School: Westheights P.S.

(003LSJ) Hearing Things?
Students: Shiv Kathuria , Brandon Bernard
School: Westheights P.S.

(071LSJ) SHOULD YOU PLAY?
Students: Jackson Ilgner , Braeden Redlich-Stowe
School: Westheights P.S.

(061LSJ) International Sweaty Plants
Students: Sergiu Pocol , George Busecan
School: Westheights P.S.

Silver Medallion (\$40 cash)

(099LSJ) Synthetic vs Natural Antibiotics

Student: Justin King

School: John McCrae P.S.

(021LSJ) Dish Washer vs. Hand Washing

Student: Sofie Michailovich

School: Edna Staebler P.S.

(045LSJ) Drop That Heart Beat

Student: Renee Cottrell

School: St. John Brebeuf C.S. - Erin

(059LSJ) The Effects of Sleep Deprivation on Adolescents

Student: Sarah Hunter

School: St. John's-Kilmarnock School

(201LSJ) What Doesn't Kill You Makes You stronger?

Student: Emma Mackey

School: St. John's-Kilmarnock School

(023LSJ) Bacterial Growth on School Wind Instruments

Student: Zdenka Neilson

School: John McCrae P.S.

(055LSJ) Do you see what I see?

Student: Mackenzie Morgan

School: Westheights P.S.

(207LSJ) Does Poor Vision Make You Smart?

Student: Ethan Pister

School: Westheights P.S.

(037LSJ) Messaging Mealworms

Student: Ethan Kroetsch

School: John McCrae P.S.

(177LSJ) Fine Manual Dexterity Differences Between Genders

Student: Emily Yu

School: Centennial P.S.

(101LSJ) Think Fast!

Students: Cole Smits , Justin Modoor

School: Westheights P.S.

Gold Medallion (\$70 cash)

(081LSJ) How Colour and Categorization affects Memory

Student: Vivek Patil

School: Centennial P.S. - Congregated Class

(115LSJ) Brilliant Bioluminescence

Student: Jessie Elias

School: Centennial P.S.

(051LSJ) Colours Affecting Your Hunger.

Student: Muna Mohamed

School: Islamic School Of Cambridge

Intermediate - Life Science**Pewter Medallion**

(153LSI) The Effect Of Mood On Memory

Students: Mariam Ibrahim , Adele Lukusa

School: Pere-Rene-de-Galinee High School

Gold Medallion (\$100 cash)

(121LSI) Spectrum Matters

Student: Katia Shatalova

School: Individual Entry

(183LSI) The Effect of BMI/Weight Loss on Pulmonary BP

Student: Arjun Pandey

School: Waterloo C.I.

(137LSI) The Picky Allergen
Student: HyoJin Son
School: Sir John A. Macdonald S.S.

Senior - Life Science

Gold Medallion (\$100 cash)

(029LSS) Does Forgetfulness Contribute to Inactivity?
Student: Avinash Pandey
School: Waterloo C.I.

(111LSS) Does "Roundup" Disrupt Serotonin Synthesis in Gut?
Students: Wendy Fu , Moiz Shakeel
School: Centennial C. & V.I.

Junior - Physical and Mathematical Science

Pewter Medallion

(074PSJ) Soggy or Crunchy?
Student: Tarannum Khan
School: Edna Staebler P.S.

(148PSJ) Fruit Ripening
Students: Tabassum Khan , Sonya Romantsov
School: Edna Staebler P.S.

(142PSJ) What Keeps the Heat?
Student: Reid Vrolyk
School: Edna Staebler P.S.

(108PSJ) Osmosis with Organic and Non Organic eggs
Student: Vaishnavi Mohana Gobburu
School: Laurelwood P.S.

(024PSJ) Can I Calculate Temperature with a Tuning Fork
Student: Casey Baleshta
School: St. Agnes C.S.

(188PSJ) UV rays effect on Fasteners
Students: Zach Champman , Mikayla Chapman
School: Centennial P.S. - Congregated Class

(164PSJ) To Freeze or Not To Freeze
Student: Seungmin Yu
School: John McCrae P.S.

(120PSJ) tire pressure's effect on soil compaction
Student: Liam Whalen
School: St. John Brebeuf C.S. - Erin

(146PSJ) Fact or Friction
Students: Moses Brajkovich , Tyler Toomey
School: St. John Brebeuf C.S. - Erin

(134PSJ) The Change in the Index of Refraction With Heat
Student: Sylvia Byer
School: John McCrae P.S.

(122PSJ) It's A Long Way Down
Students: Marissa Condo , Megan Robart-Morgan
School: St. John Brebeuf C.S. - Erin

(014PSJ) Can rocks extract oil from water?
Student: Sam Orend
School: Courtland P.S. - Congregated Class

(170PSJ) Density
Student: Emina Bektic
School: Taylor Evans P.S.

(184PSJ) Solutions to rust
Students: Anita Yang , Abigail Persaud
School: Lester B. Pearson P.S.

(012PSJ) Can Picked Fruits' Rate Of Ripening Be Controlled?
Student: Emma Sitler
School: Hespeler P.S.

(048PSJ) Biodegradable Plastic
Student: Eric Chen
School: John McCrae P.S.

(202PSJ) which solution disinfects a toothbrush fastest?
Student: Shahzaib Chuadhry
School: Islamic School Of Cambridge

Bronze Medallion (\$30 cash)

(062PSJ) Computer Path-finding Algorithms
Student: Alexander Kitaev
School: Centennial P.S. - Congregated Class

(200PSJ) Is Music Class Contagious?
Students: Libby Alger , Jessica Wassens
School: John McCrae P.S.

(124PSJ) Face Off! Ringette vs Hockey
Student: Jessie Cameron
School: John McCrae P.S.

(092PSJ) Don't Put A Cork In It
Students: Yehia Fahmy , Brian Zapp
School: Centennial P.S.

(197PSJ) Organic Products Reducing Water Acidity Levels
Student: Sadia Khan
School: Courtland P.S. - Congregated Class

(008PSJ) Which seal is the real deal ?
Student: Jasmine Myers
School: K.W. Bilingual School

(116PSJ) Get a Grip
Student: Jonah Landry
School: St. John's-Kilmarnock School

(150PSJ) I GOT GAS!
Student: Nicole Hogwood
School: Hespeler P.S.

(038PSJ) ANALYZING THE HEMOLYTIC TRANSFUSION
REACTION
Student: Saman Rashid
School: Islamic School Of Cambridge

(068PSJ) Mpemba Effect
Student: Bryson Van Eerd
School: John McCrae P.S.

(020PSJ) Light, Refraction, and Color
Student: Connie Cheng
School: Laurelwood P.S.

(080PSJ) Enamel Erosion
Student: Katelyn Holmes
School: Hespeler P.S.

Silver Medallion (\$40 cash)

(060PSJ) Let's see vitamin C
Student: Advait Maybhate
School: Edna Staebler P.S.

(162PSJ) The S.A.D.D Truth
Student: Eric Liebster
School: Centennial P.S. - Congregated Class

Intermediate - Physical and Mathematical Science

Pewter Medallion

(042PSI) The Guessing Game
Student: Christopher Friedel
School: Waterloo C.I.

(050PSI) Duracell vs Dollar Store
Students: David Neuman , Theo Vanderkooy
School: Waterloo C.I.

Silver Medallion (\$60 cash)

(072PSI) Can Nanoparticles Protect You?
Student: John Fish
School: Sir John A. Macdonald S.S.

(152PSI) Keep It Cool
Student: Graham Hoyes
School: St. John's-Kilmarnock School

(046PSI) Brew It Out
Student: Josie Schwartz
School: St. John's-Kilmarnock School

Gold Medallion (\$100 cash)

(056PSI) Drug Dissolution
Student: Tanaeem Rehman
School: Cameron Heights C.I.

(032PSI) The Digestion Question
Student:
School: St. John's-Kilmarnock School

(136PSJ) Household Chemicals and Rusting
Student: Jordan Wallace
School: Centennial P.S. - Congregated Class

(168PSJ) White Noise in Your Home
Student: Saman Rahmani
School: Queensmount Senior P.S.

(112PSJ) Diabeat It!
Student: Saihaj Dhillon
School: St. John's-Kilmarnock School

(126PSJ) Lotion in Motion
Students: Rebecca Kim , Rose Samra
School: K.W. Bilingual School

(204PSJ) Experimenting with the Violin Bridge
Students: Sheila Afros , Shayna Martz
School: Centennial P.S.

(004PSJ) Let Your Fingers Do the Talking
Student: Olivia Richard
School: John McCrae P.S.

(179PSJ) The Science Behind Art
Students: Chelsey Davidson , Anais Sebbane
School: Northlake Woods P.S.

Gold Medallion (\$70 cash)

(192PSJ) Trendsetter
Student: Parker Hoyes
School: St. John's-Kilmarnock School

Senior - Physical and Mathematical Science

Silver Medallion (\$60 cash)

(084PSS) Lighting up the Night with Waste Heat

Students: Yota Ohashi , Zhenle Cao

School: Waterloo C.I.

Best in Division - Biotechnology

Plaque

(049BTI) Quorum sensing: Indicating herbal plant efficiency

Student: Devanshi Shukla

School: Centennial C. & V.I.

Best in Division - Earth and Environmental Science

Plaque

(103ESS) The Calculated Crisis

Students: Kevin Strauss , Kevin Dong

School: Waterloo C.I.

Best in Division - Engineering

Plaque

(064NGI) MicroFilters: Using Tweets For Disaster Management

Student: Andrew Ilyas

School: Waterloo C.I.

Best in Division - Life Science

Plaque

(183LSI) The Effect of BMI/Weight Loss on Pulmonary BP

Student: Arjun Pandey

School: Waterloo C.I.

Best in Division - Physical and Mathematical Science

Plaque

(032PSI) The Digestion Question

Student:

School: St. John's-Kilmarnock School

2014 Special Award Winners

Best Written Report

Junior - Trophy

(164PSJ) To Freeze or Not To Freeze

Student: Seungmin Yu

School: John McCrae P.S.

(092PSJ) Don't Put A Cork In It

Students: Yehia Fahmy , Brian Zapp

School: Centennial P.S.

(166NGJ) Now uSEE Me

Students: Sajeev Kohli , Travis Mammoliti

School: K.W. Bilingual School

(013LSJ) Are you Hydrated?

Student: Calvin Fogler

School: John McCrae P.S.

(090PSJ) How to Find a Prime Number

Student: Michael Lu

School: Northlake Woods P.S.

Intermediate - Trophy

(010NGI) Little Missed Sunshine

Student: Leela Keshav

School: Waterloo C.I.

Senior - Trophy

(105ESS) Soil Erosion in Veracruz, Mexico
Students: Julie Vuong , Megan Smith
School: Waterloo C.I.

Stephen J. Little Award for Science Presentation

Trophy and Chapters Gift Card

(189BTS) Treatment of S.aureus with Manuka Honey
Students: Isaac Thevathasan , Anit Bhattacharyya
School: Centennial C. & V.I.

Sir Isaac Newton Award - Junior

Chapters Gift Certificate

(192PSJ) Trendsetter
Student: Parker Hoyes
School: St. John's-Kilmarnock School

Sir Isaac Newton Award - Intermediate

Chapters Gift Certificate

(032PSI) The Digestion Question
Student:
School: St. John's-Kilmarnock School

Sir Isaac Newton Award - Senior

Chapters Gift Certificate

(084PSS) Lighting up the Night with Waste Heat
Students: Yota Ohashi , Zhenle Cao
School: Waterloo C.I.

Chem 13 Award

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

(060PSJ) Let's see vitamin C
Student: Advait Maybhate
School: Edna Staebler P.S.

2014 Other Award Winners

Catalyst Leadership Award

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

(072PSI) Can Nanoparticles Protect You?
Student: John Fish
School: Sir John A. Macdonald S.S.

Engineering Science Quest Award

summer science camp (\$300 scholarship)

(018NGJ) Batteries Not Included
Student: Rawan Sakalla
School: Westheights P.S.

REAL Summer Scholarship

Summer research experience (\$2800 scholarship)

(029LSS) Does Forgetfulness Contribute to Inactivity?
Student: Avinash Pandey
School: Waterloo C.I.

(065BTS) Super Surfactants: Oil Be Gone!
Students: Fengyang Wang , Tom Chong
School: Sir John A. Macdonald S.S.

(189BTS) Treatment of S.aureus with Manuka Honey
Students: Isaac Thevathasan , Anit Bhattacharyya
School: Centennial C. & V.I.

(002NGS) AlgEYE: Automation of algal hydrogen production
Student: George Utsin
School: Waterloo C.I.

Shad Valley Scholarships

scholarship to attend Shad Valley (\$500 scholarship)

(121LSI) Spectrum Matters
Student: Katia Shatalova
School: Individual Entry

(072PSI) Can Nanoparticles Protect You?
Student: John Fish
School: Sir John A. Macdonald S.S.

(056PSI) Drug Dissolution
Student: Tanaeem Rehman
School: Cameron Heights C.I.

(183LSI) The Effect of BMI/Weight Loss on Pulmonary BP
Student: Arjun Pandey
School: Waterloo C.I.

(137LSI) The Picky Allergen
Student: HyoJin Son
School: Sir John A. Macdonald S.S.

(152PSI) Keep It Cool
Student: Graham Hoyes
School: St. John's-Kilmarnock School

(032PSI) The Digestion Question
Student:
School: St. John's-Kilmarnock School

(046PSI) Brew It Out
Student: Josie Schwartz
School: St. John's-Kilmarnock School

(010NGI) Little Missed Sunshine
Student: Leela Keshav
School: Waterloo C.I.

(064NGI) MicroFilters: Using Tweets For Disaster
Management
Student: Andrew Ilyas
School: Waterloo C.I.

(049BTI) Quorum sensing: Indicating herbal plant efficiency
Student: Devanshi Shukla
School: Centennial C. & V.I.

(140NGI) The Battery to Beat
Students: Tiger Jian , Elbert Lai
School: Waterloo C.I.

2014 Grand Award Winners

Award of Merit

All expense paid trip to the Canada-Wide Science Fair

(183LSI) The Effect of BMI/Weight Loss on Pulmonary BP

Student: Arjun Pandey

School: Waterloo C.I.

(029LSS) Does Forgetfulness Contribute to Inactivity?

Student: Avinash Pandey

School: Waterloo C.I.

(103ESS) The Calculated Crisis

Students: Kevin Strauss , Kevin Dong

School: Waterloo C.I.

(032PSI) The Digestion Question

Student:

School: St. John's-Kilmarnock School

(192PSJ) Trendsetter

Student: Parker Hoyes

School: St. John's-Kilmarnock School

(064NGI) MicroFilters: Using Tweets For Disaster

Management

Student: Andrew Ilyas

School: Waterloo C.I.

(049BTI) Quorum sensing: Indicating herbal plant efficiency

Student: Devanshi Shukla

School: Centennial C. & V.I.

(002NGS) AlgEYE: Automation of algal hydrogen production

Student: George Utsin

School: Waterloo C.I.

The Award of Excellence

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

(064NGI) MicroFilters: Using Tweets For Disaster

Management

Student: Andrew Ilyas

School: Waterloo C.I.