



# Frontenac, Lennox and Addington Science Fair

## FLASF 2015 AWARD WINNERS

### Best of Fair Awards

#### Best of Fair Awards

##### **Honorable Mention Plaque**

(2432) Teen Personas and Perceptions  
Student: Nisha Gill  
School: Calvin Park Public School

(4401) The Scent of Ovarian Cancer: A Diagnostic Test for Ovarian Cancer  
Student: Neel Sharma  
School: Kingston Collegiate & Vocational Institute

##### **Bronze Plaque and Trophy**

(3301) Gone With The Wind: An Experimental Apparatus For Building  
Response To Wind  
Student: Dylan Layton-Matthews  
School: Loyalist Collegiate & Vocational Institute

##### **Silver Plaque and Trophy**

(2307) SMART Car Seat  
Student: Daniel Levin  
School: Calvin Park Public School

##### **Gold Plaque and Queen's University Trophy**

(2207) Bubbling With Energy  
Student: Lydia Elbatarny  
School: Calvin Park Public School



# Frontenac, Lennox and Addington Science Fair

## Divisional Award Winners

### Computing and Engineering Division Award - Primary Age Category

#### Bronze Medal

(1307) Preposterous pickups  
Student: Oliver Dantzer  
School: Lakeshore School

(1302) Shape Changes Buoyancy  
Students: Matthew North , Parker Brennan  
School: Amherstview Public School

(1313) To be or not to be Concrete  
Students: Bronis MacDougall , Mathis Filiartrult  
School: École Mgr- Rémi-Gaulin

#### Silver Medal

(1312) Lifting A Ton Without Sweating A Drop  
Student: Arjun Devnani  
School: Catarauqui Woods Elementary School

#### Gold Medal

(1304) Robots Under the Weather  
Student: Zachary Frank  
School: École Sir John A. Macdonald Public School

### Physical and Mathematical Sciences Division Award - Primary Age Category

#### Honorable Mention

(1201) Tale of the Tape!  
Student: Owen Ritchie  
School: Martello Enrichment School

(1207) The Long and Winding Road: What conductors work best in DC electric motors for future EVs?

Students: Callum Diak , Michael Burnett



# Frontenac, Lennox and Addington Science Fair

School: Polson Park Public School

## **Bronze Medal**

(1203) Spin to Win: How angular momentum affects spinning speed

Student: Alia Gouveia

School: Kingston Christian School

## **Silver Medal**

(1206) That's the Way the Ball Bounces!

Student: Mikayla McFarlane

School: Amherstview Public School

(1210) Melting Away - How do ice melters affect nature, vehicles, and man-made structures?

Student: Kai von der Felsen

School: Lakeshore School

## **Gold Medal**

(1209) Lights, Camera, TRACTION!

Student: Jasmin Sandhu

School: Martello Enrichment School

## **Life & Earth Sciences-Non-Human Division Award - Primary Age Category**

### **Honorable Mention**

(1103) Dogs and their sense of smell

Student: Louis Grogan

School: Rideau Public School

(1108) Grey: Yay or Nay?

Student: Kendyl Guenette

School: Perth Road Public School

### **Bronze Medal**

(1122) The Effect of Added Sugar on Worms

Student: Moira Smith

School: King's Town School



# Frontenac, Lennox and Addington Science Fair

(1105) Save Our Soil: An experiment to discover if cover planting is a good way to prevent soil erosion

Student: Isabella Moxon

School: King's Town School

## **Silver Medal**

(1115) The Very Hungry Caterpillar

Student: Mara Klug

School: Martello Enrichment School

(1113) Brown Apples: the Truth is A-Peel-Ing

Student: Juliana Springer

School: Lakeshore School

(1114) Don't Forget Your Lunch: Feed and Milk Production

Student: Gracie DeVries

School: Kingston Christian School

## **Gold Medal**

(1107) Clean or Dirty : Which vegetable makes the best biodiesel?

Student: Madison Mussari

School: Kingston Christian School

## **Human Health Science Division Award - Primary Age Category**

### **Honorable Mention**

(1408) I'm Not Joking - It's Time To Stop Smoking!

Student: Ava Simpson

School: King's Town School

(1417) How Did I Know That

Student: Ava Hounsell

School: École Sir John A. Macdonald Public School

(1409) Believe me, this needle won't hurt

Student: Simon Rooney

School: King's Town School



# Frontenac, Lennox and Addington Science Fair

## **Bronze Medal**

(1402) Step It Up!

Student: Emma Detomasi

School: Martello Enrichment School

(1405) Fuzzy Memory

Student:

School: King's Town School

(1407) What Does Your Brain See?

Student: Lydia Morrow

School: Sydenham Public School

## **Silver Medal**

(1412) Hazcool: A New Cooled Hazmat Suit and its Evaluation

Student: Evan Sharma

School: Lakeshore School

(1415) Bacteria Busters: Does hand sanitizer, antibacterial soap, soap, or water best clean hands?

Students: Lily Rich , Jocelyn O'Brien

School: Sydenham Public School

## **Gold Medal**

(1403) Can Drosophila "Beet" Hydrogen Peroxide?

Student: Keiran Barr

School: King's Town School

## **Computing and Engineering Division Award - Junior Age Category**

### **Honorable Mention**

(2335) Breaking point!

Student: Dean Taylor

School: Odessa Public School

(2317) Monitor Your Monitor

Students: Daniel Fichtinger , Christian Nesheim



# Frontenac, Lennox and Addington Science Fair

School: Calvin Park Public School

## **Bronze Medal**

(2313) If You Can Eat It, This Can Heat It!

Students: Lisa-Marie Castronovo , Laura Gilron

School: Calvin Park Public School

## **Silver Medal**

(2324) Raindrop Power: Harvesting Rainfall to Generate Power

Students: Alex Chan , Nathan Pilkey

School: Calvin Park Public School

(2318) ( o )ing The Future

Students: Wail Osman , Abd El Rahman Elsebaie

School: Calvin Park Public School

(2330) Buy-ology: Neuromarketing and the Internet

Student: Claire Dickison

School: Kingston Christian School

## **Gold Medal**

(2307) SMART Car Seat

Student: Daniel Levin

School: Calvin Park Public School

(2328) Sensor Your Way Through It!

Students: Malek Jnifene , Rahman Nouredin

School: Calvin Park Public School

## **Physical and Mathematical Sciences Division Award - Junior Age Category**

### **Honorable Mention**

(2208) Slip Sliding Away

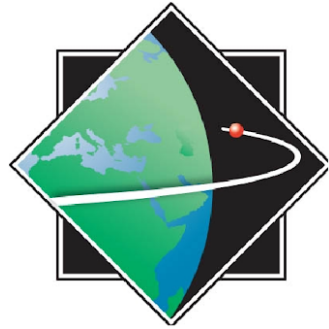
Student: Max Dantzer

School: Lakeshore School

(2211)

Student: Athmane Darenfed

School: École Secondaire Mille-Îles



# Frontenac, Lennox and Addington Science Fair

## **Bronze Medal**

(2203) You Can Take This Shot To The Bank

Student: Matthew Wilson

School: Calvin Park Public School

## **Silver Medal**

(2209) A Perpetual Journey - Can A Car Run Forever On Its Own Energy?

Student: Francesca Sivilotti

School: King's Town School

## **Gold Medal**

(2207) Bubbling With Energy

Student: Lydia Elbatarny

School: Calvin Park Public School

## **Life & Earth Sciences-Non-Human Division Award - Junior Age Category**

### **Honorable Mention**

(2130) You Reap What You Sow (Comparing effects of Grey water on Plant Growth)

Students: Dylan Daya , Chet Moran

School: Odessa Public School

(2128) Eww, E. coli

Student: Fiona Wagner

School: École Secondaire Mille-Îles

(2125) Do Plants Think?

Student: Andy Cai

School: Calvin Park Public School

### **Bronze Medal**

(2112) Febreze and Bacteria: Does a Clean Smell Mean a Clean Surface?

Student: Abby Simpson

School: King's Town School

(2137) Quench Your Thirst



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Students: Sophia Van , Jessica Wang  
School: Calvin Park Public School

(2115) Oh No! What's In The H<sub>2</sub>O?:An Analysis Of Treated Water For  
Micro-Plastics

Student: Anez Poulos  
School: Ernestown Secondary School

## **Silver Medal**

(2123) Are Your Weeds On Drugs?

Student: Cameron Smith  
School: Calvin Park Public School

(2113) The Effect of Salinity on Germination

Student: Tim Lee  
School: Calvin Park Public School

(2114) Why 'frack', there's no lack of biomass?

Students: Asher Hounsell , Criswyn Paul  
School: Calvin Park Public School

## **Gold Medal**

(2105) Green Options For Improving Extraction Efficiency of Bitumen from Oil  
Sands

Student: Kaamraan Islam  
School: King's Town School

## **Human Health Science Division Award - Junior Age Category**

### **Honorable Mention**

(2401) De-feet the stink!

Student: Brigitta Holzschuh  
School: Calvin Park Public School

(2405) Stay Awake For Safety's Sake

Student: Will Redfearn  
School: King's Town School

(2435)





# Frontenac, Lennox and Addington Science Fair

Student: Zain Pasquarella  
School: École Secondaire Mille-Îles

(2417) Mind Music

Students: Landon Steenbakkers , Cerwyn Paul  
School: Calvin Park Public School

## **Bronze Medal**

(2428) The Seven Year Theory

Student: William Smith  
School: King's Town School

(2422) Do Mushrooms cure cancer?

Student: Michael Ding  
School: Lakeshore School

(2443) The effects of texting on finger dexterity

Student: Declan Lawford-Wickham  
School: Calvin Park Public School

(2441) Anxious and Alone Without your Phone

Students: Zoe Spronk , Grace Jackson  
School: Module Vanier

## **Silver Medal**

(2408) Smart Gum

Student: Eileen Hyett  
School: Module Vanier

(2402)

Student: Dhruv Patel  
School: Calvin Park Public School

(2427) Focus with Sound

Student: Liam Andrew  
School: Calvin Park Public School

## **Gold Medal**

(2432) Teen Personas and Perceptions

Student: Nisha Gill  
School: Calvin Park Public School



# Frontenac, Lennox and Addington Science Fair

## **Computing and Engineering Division Award - Intermediate Age Category**

### **Gold Medal**

(3301) Gone With The Wind: An Experimental Apparatus For Building Response To Wind

Student: Dylan Layton-Matthews

School: Loyalist Collegiate & Vocational Institute

## **Life & Earth Sciences-Non-Human Division Award - Intermediate Age Category**

### **Honorable Mention**

(3101) Life in the Sea beyond 2050

Student: Caitlin McAllister

School: Loyalist Collegiate & Vocational Institute

## **Human Health Science Division Award - Senior Age Category**

### **Gold Medal**

(4401) The Scent of Ovarian Cancer: A Diagnostic Test for Ovarian Cancer

Student: Neel Sharma

School: Kingston Collegiate & Vocational Institute



# Frontenac, Lennox and Addington Science Fair

## Special Award Winners

### ACFOMI Michel-Sarrazin Award

**\$50 cash prize (\$50 cash)**

(2327) Rechargeable vs Alcaline

Student:

School: École Secondaire Mille-Îles

(2212) Le principe du siphon

Student:

School: École Secondaire Mille-Îles

(2211)

Student: Athmane Darenfed

School: École Secondaire Mille-Îles

(1313) To be or not to be Concrete

Students: Bronis MacDougall , Mathis Filiartrult

School: École Mgr- Rémi-Gaulin

### City of Kingston Best Environmental Project Award

**\$50 cash prize and plaque (\$50 cash)**

(2302) The Biodegradable K-Cup

Students: Alex Wright , Emily Porter

School: Odessa Public School

### CMC Microsystems Award

**\$100 gift certificate at Best Buy**

(1303) Beam me up!

Student: Xan Fraser

School: King's Town School

(2318) ( o )ing The Future

Students: Wail Osman , Abd El Rahman Elsebaie

School: Calvin Park Public School



# Frontenac, Lennox and Addington Science Fair

## **Engineering Seismology Group Award**

**50\$ cash prize and plaque (\$50 cash)**

(1126) Hit'n the Tide

Students: Zahraa Hossenbaccus , Hannah Parris

School: Cataraqui Woods Elementary School

## **Kingston Field Naturalists Award**

**\$50 Gift Certificate**

(1115) The Very Hungry Caterpillar

Student: Mara Klug

School: Martello Enrichment School

(1106) Ticks: Your Neighbours?

Student: Edward Vander Wilp

School: Kingston Christian School

## **Health Promotion Award (KFL&A Public Health)**

**Cash prize of \$100 (\$100 cash)**

(2413) How talking on a cell phone affects reaction time

Student: Arash Kamali

School: Calvin Park Public School

## **Kingston Technology Council Innovation Award**

**\$100 Cash Award (\$100 cash)**

(2328) Sensor Your Way Through It!

Students: Malek Jnifene , Rahman Noureldin

School: Calvin Park Public School



# Frontenac, Lennox and Addington Science Fair

## Leahurst College Award for Excellence in Science

### **\$5000 Tuition Scholarship (\$5000 scholarship)**

(2324) Raindrop Power: Harvesting Rainfall to Generate Power

Students: Alex Chan , Nathan Pilkey

School: Calvin Park Public School

(2115) Oh No! What's In The H<sub>2</sub>O?:An Analysis Of Treated Water For  
Micro-Plastics

Student: Anez Poulos

School: Ernestown Secondary School

(2125) Do Plants Think?

Student: Andy Cai

School: Calvin Park Public School

### **Runner-up for \$5000 Scholarship (\$5000 scholarship)**

(2427) Focus with Sound

Student: Liam Andrew

School: Calvin Park Public School

(1209) Lights, Camera, TRACTION!

Student: Jasmin Sandhu

School: Martello Enrichment School

(2428) The Seven Year Theory

Student: William Smith

School: King's Town School

(1312) Lifting A Ton Without Sweating A Drop

Student: Arjun Devnani

School: Cataraqui Woods Elementary School

(1407) What Does Your Brain See?

Student: Lydia Morrow

School: Sydenham Public School



# Frontenac, Lennox and Addington Science Fair

(2203) You Can Take This Shot To The Bank

Student: Matthew Wilson

School: Calvin Park Public School

## **Ontario Association of Certified Engineering Technicians and Technologists Award**

**\$60 cash award and plaque (\$60 cash)**

(1303) Beam me up!

Student: Xan Fraser

School: King's Town School

## **Professional Engineers of Ontario Award**

**First prize: \$100 cash and plaque(s) plus school trophy (\$100 cash)**

(3301) Gone With The Wind: An Experimental Apparatus For Building Response To Wind

Student: Dylan Layton-Matthews

School: Loyalist Collegiate & Vocational Institute

**Second prize: \$100 cash and plaque(s) (\$100 cash)**

(1313) To be or not to be Concrete

Students: Bronis MacDougall , Mathis Filiartrult

School: École Mgr- Rémi-Gaulin

## **Queen's University Centre for Neuroscience Studies Award**

**\$50 Cash prize (\$50 cash)**

(1411) Eye See A Camera

Student: Jean-Christophe Panzer

School: Lakeshore School

(2330) Buy-ology: Neuromarketing and the Internet

Student: Claire Dickison

School: Kingston Christian School



# Frontenac, Lennox and Addington Science Fair

## Queen's University Department of Biology Award

### Book prizes (\$50 value)

(1103) Dogs and their sense of smell

Student: Louis Grogan

School: Rideau Public School

(1111) Wet Roots

Student: Emma Decaire

School: Lakeshore School

(2113) The Effect of Salinity on Germination

Student: Tim Lee

School: Calvin Park Public School

(1403) Can Drosophila "Beet" Hydrogen Peroxide?

Student: Keiran Barr

School: King's Town School

## Queen's University Eco-adventure Summer Camp Award, Department of Biology

### One week at Eco-Adventure camp

(2123) Are Your Weeds On Drugs?

Student: Cameron Smith

School: Calvin Park Public School

## Queen's University Department of Biomedical & Molecular Sciences Prize in Anatomy and Cell Biology

### Cash Prize of \$50 (\$50 cash)

(1408) I'm Not Joking - It's Time To Stop Smoking!

Student: Ava Simpson

School: King's Town School



# Frontenac, Lennox and Addington Science Fair

(4401) The Scent of Ovarian Cancer: A Diagnostic Test for Ovarian Cancer

Student: Neel Sharma

School: Kingston Collegiate & Vocational Institute

## **Queen's University Department of Biomedical & Molecular Sciences Prize in Microbiology & Immunology**

**Cash Prize of \$50 (\$50 cash)**

(2112) Febreze and Bacteria: Does a Clean Smell Mean a Clean Surface?

Student: Abby Simpson

School: King's Town School

(1415) Bacteria Busters: Does hand sanitizer, antibacterial soap, soap, or water best clean hands?

Students: Lily Rich , Jocelyn O'Brien

School: Sydenham Public School

## **Queen's University Department of Biomedical & Molecular Sciences Prize in Physiology**

**Cash Prize of \$50 (\$50 cash)**

(1403) Can Drosophila "Beet" Hydrogen Peroxide?

Student: Keiran Barr

School: King's Town School

(2117) Creatine monophosphate: The small molecule with a big punch

Student: Justin Biraben

School: Calvin Park Public School

## **Queen's University Department of Chemistry Award**

**Cash Prize (\$100 cash)**

(2207) Bubbling With Energy

Student: Lydia Elbatarny

School: Calvin Park Public School





# Frontenac, Lennox and Addington Science Fair

## Queen's University Department of Electrical & Computer Engineering Award

**First Prize: Cash prize of \$125 and winner's name(s) on a trophy displayed at the university department. (\$125 cash)**

(2307) SMART Car Seat

Student: Daniel Levin

School: Calvin Park Public School

**Second Prize: Cash prize of \$75 (\$75 cash)**

(2318) ( o )ing The Future

Students: Wail Osman , Abd El Rahman Elsebaie

School: Calvin Park Public School

## Queen's University Explore Camp Award, Department of Geography

**One week at Explore Camp**

(1107) Clean or Dirty : Which vegetable makes the best biodiesel?

Student: Madison Mussari

School: Kingston Christian School

## Queen's University Department of Mechanical & Materials Engineering Award

**Cash prize (\$100 cash)**

(3301) Gone With The Wind: An Experimental Apparatus For Building Response To Wind

Student: Dylan Layton-Matthews

School: Loyalist Collegiate & Vocational Institute

## Queen's University Department of Pathology and Molecular Medicine Award

**First place - cash prize (\$100 cash)**

(4401) The Scent of Ovarian Cancer: A Diagnostic Test for Ovarian Cancer

Student: Neel Sharma

School: Kingston Collegiate & Vocational Institute



# Frontenac, Lennox and Addington Science Fair

## **Second place - cash prize (\$50 cash)**

(1403) Can Drosophila "Beet" Hydrogen Peroxide?

Student: Keiran Barr

School: King's Town School

## **Queen's University Department of Physics Award**

### **Cash prize and certificate (\$100 cash)**

(1209) Lights, Camera, TRACTION!

Student: Jasmin Sandhu

School: Martello Enrichment School

(1109) Static Shock

Student: David Patterson

School: King's Town School

## **Queen's University Engineering Society Science Quest Awards**

### **One week at Science Quest Camp**

(1312) Lifting A Ton Without Sweating A Drop

Student: Arjun Devnani

School: Cataraqi Woods Elementary School

### **One week at Girls Quest Camp (restricted to girls)**

(1402) Step It Up!

Student: Emma Detomasi

School: Martello Enrichment School

### **One week at Entrepreneurs in Science Camp**

(2307) SMART Car Seat

Student: Daniel Levin

School: Calvin Park Public School



# Frontenac, Lennox and Addington Science Fair

## Queen's University School of Computing Award

### **\$50 cash prize + plaque (\$50 cash)**

(2328) Sensor Your Way Through It!

Students: Malek Jnifene , Rahman Noureldin

School: Calvin Park Public School

## Queen's University School of Environmental Studies Award

### **\$50 Book Prize**

(2105) Green Options For Improving Extraction Efficiency of Bitumen from Oil Sands

Student: Kaamraan Islam

School: King's Town School

(1110) Get Out Oil

Student: Autumn Bleackley

School: Lakeshore School

(1107) Clean or Dirty : Which vegetable makes the best biodiesel?

Student: Madison Mussari

School: Kingston Christian School

(2123) Are Your Weeds On Drugs?

Student: Cameron Smith

School: Calvin Park Public School

## Roots Down Sustainable Agriculture Award

### **\$50 Gift Certificate to Novel Idea Bookstore**

(1105) Save Our Soil: An experiment to discover if cover planting is a good way to prevent soil erosion

Student: Isabella Moxon

School: King's Town School



# Frontenac, Lennox and Addington Science Fair

## Rotary Club of Kingston Environmental Innovator Award

### **\$100 cash prize (\$100 cash)**

(2114) Why 'frack', there's no lack of biomass?

Students: Asher Hounsell , Criswyn Paul

School: Calvin Park Public School

(2133) The Power of One How To Reduce Your Carbon Footprint

Student: Liam Casey

School: Calvin Park Public School

## Leo Enright Award for Astronomy

### **Award of \$100 and book "A Beginners Observing Guide" (\$100 cash)**

(2322) Helium-3 The Power Source For Tomorrow

Student: Justin MacKeigan

School: Calvin Park Public School

## Royal Military College of Canada Department of Military Psychology and Leadership

### **\$50 book prize**

(2427) Focus with Sound

Student: Liam Andrew

School: Calvin Park Public School

(1405) Fuzzy Memory

Student:

School: King's Town School

## St. Lawrence College Faculty of Applied Science Award

### **100\$ cash (\$100 cash)**

(2121) GO BANANAS!!!

Student: Benjamin Ma

School: Home Schooled



# Frontenac, Lennox and Addington Science Fair

## **St. Lawrence College Research Department Award**

### **100\$ cash (\$100 cash)**

(2422) Do Mushrooms cure cancer?

Student: Michael Ding

School: Lakeshore School

## **St. Lawrence College President's Award**

### **100\$ cash (\$100 cash)**

(2105) Green Options For Improving Extraction Efficiency of Bitumen from Oil Sands

Student: Kaamraan Islam

School: King's Town School

## **Women in Science and Engineering**

### **1st Place: \$60 cash prize**

(1205) Beware, Icy Conditions

Student: Angela Lewis

School: Amherstview Public School

### **2nd Place: \$40 cash prize**

(2325) Reinforcing the Idea of Better Building Materials

Student: Sarah Hesp

School: Calvin Park Public School

## **2015 University of Ottawa Entrance Scholarship Award**

### **\$1000 Entrance Scholarship (\$1000 scholarship)**

(4401) The Scent of Ovarian Cancer: A Diagnostic Test for Ovarian Cancer

Student: Neel Sharma

School: Kingston Collegiate & Vocational Institute



# Frontenac, Lennox and Addington Science Fair

## **Other Award Winners**

### **Peer Award**

#### **iPod Shuffle or equivalent**

(1312) Lifting A Ton Without Sweating A Drop

Student: Arjun Devnani

School: Cataraqui Woods Elementary School