



Frontenac, Lennox and Addington Science Fair

FLASF 2016 AWARD WINNERS

Best of Fair Awards

Best of Fair Awards

Honorable Mention Plaque

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

Bronze Plaque and Trophy

(2419) Decreasing Carcinogens in Grilled Chicken Using Various Marinades

Student: Kaamraan Islam

School: Calvin Park Public School

(2408) Poopalicious: Shifting the Microbiome with FMT

Student: Evan Sharma

School: Calvin Park Public School

Silver Plaque and Trophy

(3402) An inexpensive medical training aid for pericardiocentesis

Student: Aidan Baksh

School: Leahurst College

Gold Plaque and Queen's University Trophy

(3201) Caged in: A Novel Approach to Metal Extraction

Student: Lydia Elbatarny

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Divisional Award Winners

Computing and Engineering Division Award - Primary Age Category

Silver Medal

(1301) Catching Air

Student: Aaron Mason

School: Lakeshore School

Gold Medal

(1303) Making Sense of Sensors

Student: Neville Klug

School: Sydenham Public School

Physical and Mathematical Sciences Division Award - Primary Age Category

Honorable Mention

(1204) One Bit, Two Bit, Qubit

Student: Oliver L.

School: Martello Enrichment School

Bronze Medal

(1209) Fantastic flights

Student: Iain Rickard

School: Lord Strathcona Public School

(1214) Stuck in the Metal With You

Student: Emma Decaire

School: Lakeshore School

(1208) STAY COOL - HOT HEAD

Student: David Patterson

School: King's Town School



Frontenac, Lennox and Addington Science Fair

Silver Medal

(1203) From here to there to anywhere!

Student: Xan Fraser

School: Quintilian Private School of Kingston

Gold Medal

(1207) Safe & Sound

Student: Tess Fraser

School: King's Town School

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

Bronze Medal

(1101) Water, Water, Everywhere

Student: Sarena Sandhu

School: Martello Enrichment School

(1103) Woof woof! Right or Left pawed?

Students: Ellie Ratz , Rachel Varrette

School: Polson Park Public School

(1106) Put a Spring In Your Hook

Student: Josh Wilby

School: Martello Enrichment School

Silver Medal

(1110) Which common household liquids make the best cleaners?

Students: Ashwin Burra , Emma Abicht

School: Polson Park Public School

Gold Medal

(1108) A`peeling` Bananas

Student: Anne Tanzola

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

Human Health Science Division Award - Primary Age Category

Honorable Mention

(1408) Does Sight and Smell Influence Taste?

Student: Stella Koven

School: King's Town School

(1403) The Scurvy of Fruits and Vegetables

Students: Jean-Christophe Panzer , Jack Dejong

School: Sydenham Public School

(1404) Now you "C" it - now you don't.

Student: Brigid Green

School: Sydenham Public School

Bronze Medal

(1415) Sounds Good?

Student: Owen Ritchie

School: Martello Enrichment School

(1409) Pixels vs. Paper

Student: Gryffin Little

School: King's Town School

Silver Medal

(1410) Candy Confusion

Student: Harrison Andrew

School: Martello Enrichment School

Gold Medal

(1412) Taste of Patience

Student:

School: King's Town School

(1416) Lung Capacity in Swimmers

Student: Shaun Malik

School: Lakeshore School



Frontenac, Lennox and Addington Science Fair

Computing and Engineering Division Award - Junior Age Category

Honorable Mention

(2302) Focused WiFi

Student: Marie Parent

School: Welborne Avenue Public School

(2324) Busted!

Student: Alice Kim

School: Calvin Park Public School

(2341) Solar Street Light

Student: Oliver Dantzer

School: Lakeshore School

Bronze Medal

(2301) Information Transmitting Rope

Student: Adrien Fraser

School: Calvin Park Public School

(2337) A Heated Dilemma

Student: Donovan Bisson

School: Calvin Park Public School

Silver Medal

(2322) Heated Goggles - See to Ski

Student: Fergus Murdoch

School: Calvin Park Public School

(2313) Sweet Swing: A Dual Tennis Training Device

Student: Will Lott

School: Module Vanier

(2342) Liquefaction in Action!

Student: Moira Fairborn-Cronk

School: R. G. Sinclair Public School



Frontenac, Lennox and Addington Science Fair

Gold Medal

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

(2309) Standing Up For Education

Student: Laura Gilron

School: Calvin Park Public School

Physical and Mathematical Sciences Division Award - Junior Age Category

Bronze Medal

(2209) Sound Waves and Destruction

Student: Arman Azroy-Ariff

School: Calvin Park Public School

Silver Medal

(2208) Bullseye! How arrowhead weight affects depth of penetration.

Student: Tessy Waugh

School: Calvin Park Public School

Gold Medal

(2214) l'effet seebeck

Student:

School: École Secondaire Mille-Îles

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

Honorable Mention

(2104) How Does Microwave Radiation Affects Different Organisms

Students: Devyn Baron , Caelan Baron

School: Module Vanier

(2135) Heating Things Up

Students: Jaide Rombough , Brenna Duncan

School: Odessa Public School



Frontenac, Lennox and Addington Science Fair

(2116) Bean Growin'

Student: Anna Hart

School: Calvin Park Public School

Bronze Medal

(2106) It's Bloomin' Everywhere

Students: Alex Snedden , Campbell Love

School: Calvin Park Public School

(2134) How Clean Is Your Dirt?

Student: Cameron Smith

School: Calvin Park Public School

Silver Medal

(2127) Bacteria's Favourite Colour

Student: Kevin Guo

School: Calvin Park Public School

(2109) Enzymatic Browning

Student: Elizabeth Lee

School: Calvin Park Public School

Gold Medal

(2124) Let's Do the Moringa

Student: Benjamin Ma

School: Home Schooled

(2137) The Amazing Advantages of Aquaponics

Students: Matthew Maas , Carter Howland

School: Calvin Park Public School

Human Health Science Division Award - Junior Age Category

Honorable Mention

(2401) "Yeah, I got it"

Student: Jasmin Sandhu

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

(2407) Cna Yuo Raed Tihs?

Student: Andy Cai

School: Calvin Park Public School

(2420) Ibuprofen Versus Stomache Acid

Students: Lauren Dowling , Rebecca Hannah

School: Odessa Public School

(2452) Fear

Student: Tess O'Callaghan

School: Sydenham Public School

Bronze Medal

(2410) Dog vs Human-the toxicity of saliva

Student: Moira Smith

School: Module Vanier

(2404) How do common household distractions affect cognitive flexibility?

Student: Dylan Bradizza

School: Calvin Park Public School

(2427) How sweet is your heart beat?

Student: Matthew Pilkey

School: Calvin Park Public School

Silver Medal

(2402) Cure of "Alzheimer's Disease" With Stem Cell Transplant

Student: Dhruv Patel

School: Calvin Park Public School

(2412) Does Social Media Affect a Girl's Self-Esteem?

Student: Lydia Morrow

School: Module Vanier

(2444) Truvia: Dishonestly Sweet

Student: Keiran Barr

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Gold Medal

(2419) Decreasing Carcinogens in Grilled Chicken Using Various Marinades

Student: Kaamraan Islam

School: Calvin Park Public School

(2408) Poopalicious: Shifting the Microbiome with FMT

Student: Evan Sharma

School: Calvin Park Public School

Physical and Mathematical Sciences Division Award - Intermediate Age Category

Gold Medal

(3201) Caged in: A Novel Approach to Metal Extraction

Student: Lydia Elbatarny

School: Kingston Collegiate & Vocational Institute

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

Gold Medal

(3101) H₂ in a Bottle: Photobiological Water Splitting

Student: Alex Chan

School: Kingston Collegiate & Vocational Institute

Human Health Science Division Award - Intermediate Age Category

Silver Medal

(3401) Holding On and Letting Go: Teen Stress and Anxiety

Student: Nisha Gill

School: Kingston Collegiate & Vocational Institute

Gold Medal

(3402) An inexpensive medical training aid for pericardiocentesis

Student: Aidan Baksh

School: Leahurst College



Frontenac, Lennox and Addington Science Fair

Physical and Mathematical Sciences Division Award - Senior Age Category

Silver Medal

(4201) How does changing the volume of water impact the maximum altitude of a water-air rocket?

Student: Sana Shaban

School: Kingston Collegiate & Vocational Institute

Gold Medal

(4203) The Split on Water

Student: Chase Graham

School: Kingston Collegiate & Vocational Institute

Computing and Engineering Division Award - Senior Age Category

Gold Medal

(4301) TO ARCH OR NOT TO ARCH? Tunnel Shape Optimization

Student: Elizabeth Diederichs

School: Kingston Collegiate & Vocational Institute

Life & Earth Sciences-Non-Human Division Award - Senior Age Category

Honorable Mention

(4111) The Irony of Living on the Bright Side

Student: Lydia Reid

School: Napanee District Secondary School

(4102) The HOT Topic: The degradation of coral at given temperatures

Student: Olivia Siemons

School: Kingston Collegiate & Vocational Institute

Bronze Medal

(4112) What's in our Air?

Student: Hemangi Patel

School: Napanee District Secondary School



Frontenac, Lennox and Addington Science Fair

Silver Medal

(4103) Chemical Oxidation as a Method of Water Treatment

Student: Allen Lai

School: Kingston Collegiate & Vocational Institute

Gold Medal

(4109) naNO Thank You!

Student: Sierra Bonsall

School: Napanee District Secondary School

Human Health Science Division Award - Senior Age Category

Honorable Mention

(4402) How Loud Can You Balance?

Student: Sophie Grogan

School: Kingston Collegiate & Vocational Institute

Silver Medal

(4406) Chicken Leg Farm

Students: Hailey Duffy , Natalie Scilley

School: Napanee District Secondary School

Gold Medal

(4403) You've Got a Lot of Nerve: An Investigation on the Impact of
Temperature on Nerve Reception

Student: Tarrah Ethier

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Special Award Winners

ACFOMI Michel-Sarrazin Award

\$50 cash prize (\$50 cash)

(2214) l'effet seebeck

Student:

School: École Secondaire Mille-Îles

(2437)

Student: Ellie Roumanis

School: École Secondaire Mille-Îles

(2326)

Student: Robert Macleod

School: École Secondaire Mille-Îles

(2333)

Student: Athmane F. Darenfed

School: Module Vanier

City of Kingston Best Environmental Project Award

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

(1107) Recycling Dryer Heat to Save On Fuel

Student: Jack Detomasi

School: Martello Enrichment School

CMC Microsystems Award

\$100 gift certificate at Best Buy

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

(3201) Caged in: A Novel Approach to Metal Extraction

Student: Lydia Elbatarny

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Engineering Seismology Group Award

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

(2121) The Measure of Mercury

Student: Muhtasim Hasan

School: Calvin Park Public School

Kingston Field Naturalists Award

\$50 Gift Certificate

(2143) pH Plants: Can a Pondweed Neutralize Acid?

Students: Emily Russell , Hailey Moore

School: Odessa Public School

Health Promotion Award (KFL&A Public Health)

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

(2414) Stress On The Human Body

Student: Minarwa Shrestha

School: Calvin Park Public School

(2422) Heart Rates and Academic Performance

Student: Zoe Phillips

School: Odessa Public School

Kingston Technology Council Innovation Award

\$100 Cash Award (\$100 cash)

(2126) From "Nozone" to Ozone - Constructing an efficient and cheap artificial ozone

Student: Euan Hughes

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Leahurst College Award for Excellence in Science

\$75 Science Shopping Spree Gift Certificate

(1108) A`peeling` Bananas

Student: Anne Tanzola

School: Sydenham Public School

(2419) Decreasing Carcinogens in Grilled Chicken Using Various Marinades

Student: Kaamraan Islam

School: Calvin Park Public School

(2453) Malaria vs Sickle Cell Anemia

Student: Erin Yilmaz

School: Calvin Park Public School

(1207) Safe & Sound

Student: Tess Fraser

School: King's Town School

(1402) How Effective are the Common House Hold Cleaning Products we use?

Student: Lachlan Dyzak

School: Martello Enrichment School

Ontario Association of Certified Engineering Technicians and Technologists Award

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

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

Professional Engineers of Ontario Award

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

(4301) TO ARCH OR NOT TO ARCH? Tunnel Shape Optimization

Student: Elizabeth Diederichs

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

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

(2342) Liquefaction in Action!

Student: Moira Fairborn-Cronk

School: R. G. Sinclair Public School

Queen's University Centre for Neuroscience Studies Award

\$100 Cash prize (\$100 cash)

(2402) Cure of "Alzheimer's Disease" With Stem Cell Transplant

Student: Dhruv Patel

School: Calvin Park Public School

Queen's University Department of Biology Award

Book prizes (\$50 value)

(2408) Poopalicious: Shifting the Microbiome with FMT

Student: Evan Sharma

School: Calvin Park Public School

(1417) EMF: friend or foe

Student: Claire Schleger

School: Lakeshore School

(2444) Truvia: Dishonestly Sweet

Student: Keiran Barr

School: Calvin Park Public School

(2134) How Clean Is Your Dirt?

Student: Cameron Smith

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

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

One week at Eco-Adventure camp

(1105) Exploring the rate of plant growth in crystals vs. soil

Student: Abigail Tuepah

School: Polson Park Public School

Queen's University Department of Biomedical & Molecular Sciences Award for the Amazing Human Body

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

(4402) How Loud Can You Balance?

Student: Sophie Grogan

School: Kingston Collegiate & Vocational Institute

(2414) Stress On The Human Body

Student: Minarwa Shrestha

School: Calvin Park Public School

Queen's University Department of Biomedical & Molecular Sciences Award for the Microscopic World

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

(4406) Chicken Leg Farm

Students: Hailey Duffy , Natalie Scilley

School: Napanee District Secondary School

(2408) Poopalicious: Shifting the Microbiome with FMT

Student: Evan Sharma

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Queen's University Department of Biomedical & Molecular Sciences Award for Medicine, Drugs, and Food

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

(3402) An inexpensive medical training aid for pericardiocentesis

Student: Aidan Baksh

School: Leahurst College

(2427) How sweet is your heart beat?

Student: Matthew Pilkey

School: Calvin Park Public School

Queen's University Department of Chemistry Award

Cash Prize (\$100 cash)

(4208) Determining the Activation Energy of an Iodine Clock Reaction

Student: David Chan

School: Kingston Collegiate & Vocational Institute

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)

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

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

(2318) Voice Controlled Car

Student: Melur Azroy

School: Module Vanier



Frontenac, Lennox and Addington Science Fair

Queen's University Explore Camp Award, Department of Geography and Planning

One week at Explore Camp

(1104) Where's the Water?

Student: Natalie Barton

School: Martello Enrichment School

Queen's University Department of Mechanical & Materials Engineering Award

Cash prize (\$100 cash)

(4301) TO ARCH OR NOT TO ARCH? Tunnel Shape Optimization

Student: Elizabeth Diederichs

School: Kingston Collegiate & Vocational Institute

Queen's University Department of Pathology and Molecular Medicine Award

First place - cash prize (\$100 cash)

(2402) Cure of "Alzheimer's Disease" With Stem Cell Transplant

Student: Dhruv Patel

School: Calvin Park Public School

Second place - cash prize (\$50 cash)

(4403) You've Got a Lot of Nerve: An Investigation on the Impact of
Temperature on Nerve Reception

Student: Tarrah Ethier

School: Kingston Collegiate & Vocational Institute

Queen's University Department of Physics, Engineering Physics and Astronomy Award

Cash prize and certificate (\$150 cash)

(2208) Bullseye! How arrowhead weight affects depth of penetration.

Student: Tessy Waugh

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

(2205) Skin Friction: The CraziEST Glue

Student: Arjun Devnani

School: Calvin Park Public School

Queen's University Engineering Society Science Quest Awards

One week at Science Quest Camp

(2305) The Stirling Engine

Student: Griffin Wade-Salay

School: Module Vanier

One week at Girls Quest Camp (restricted to girls)

(2314) Soft and Sound

Student: Myra Chan

School: Calvin Park Public School

One week at Entrepreneurs in Science Camp

(2323) Thermo - Strap

Students: Avinaash Mohan , Tridib Datta

School: Calvin Park Public School

Queen's University School of Computing Award

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

(2315) T1D Mouthguard

Student: Imogen Lawford-Wickham

School: Calvin Park Public School

Queen's University School of Environmental Studies Award

\$50 Book Prize

(1102) How Hummingbirds Migrate

Student: Noah Molloy

School: Martello Enrichment School



Frontenac, Lennox and Addington Science Fair

(4102) The HOT Topic: The degradation of coral at given temperatures

Student: Olivia Siemons

School: Kingston Collegiate & Vocational Institute

(2143) pH Plants: Can a Pondweed Neutralize Acid?

Students: Emily Russell , Hailey Moore

School: Odessa Public School

(2436) Pesticides and their effect on health

Student: Huw Davies-Phinney

School: Calvin Park Public School

Roots Down Sustainable Agriculture Award

\$50 Gift Certificate to Novel Idea Bookstore

(2102) How does Drought affect Plant Growth?

Students: Muneebah Umar , Madison Ball

School: Calvin Park Public School

Rotary Club of Kingston Environmental Innovator Award

\$100 cash prize (\$100 cash)

(2101) Restoring Life to Dead Lakes

Student: Kaitlyn Rankin

School: Calvin Park Public School

(2124) Let's Do the Moringa

Student: Benjamin Ma

School: Home Schooled

Leo Enright Award for Astronomy

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

(2219) Quantum Interference

Student: Finn Ferrall

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Royal Military College of Canada Department of Military Psychology and Leadership

\$50 book prize

(1401) Why did I not see that?

Student: Ava Hounsell

School: École Sir John A. Macdonald Public School

(2452) Fear

Student: Tess O'Callaghan

School: Sydenham Public School

St. Lawrence College Faculty of Applied Science Award

100\$ cash (\$100 cash)

(2214) l'effet seebeck

Student:

School: École Secondaire Mille-Îles

St. Lawrence College Research Department Award

100\$ cash (\$100 cash)

(2428) I Scream, You Scream, We All Scream for Sunscreen!

Student: Sarah Hesp

School: Calvin Park Public School

St. Lawrence College President's Award

100\$ cash (\$100 cash)

(3201) Caged in: A Novel Approach to Metal Extraction

Student: Lydia Elbatarny

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Women in Science and Engineering

Cash prize for Junior / Intermediate students(s) (\$40 cash)

(1210) "Turning" into a Scientist

Student: Emma Detomasi

School: Martello Enrichment School

Cash prize open to all ages (\$60 cash)

(2122) Started From The Bottom Now We're Here

Student: Jess Stephenson

School: Calvin Park Public School

2016 University of Ottawa Entrance Scholarship Award

\$1000 Entrance Scholarship (\$1000 scholarship)

(4301) TO ARCH OR NOT TO ARCH? Tunnel Shape Optimization

Student: Elizabeth Diederichs

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Other Award Winners

Peer Award

Donation from a local business, differing year to year

(1302) Poppin' Surprise

Student: Autumn Bleackley

School: Lakeshore School

Queen's Enrichment Studies Unit Encouragement Award

**Fully paid registration (commuter option) to an ESU Seven Eight
Enrichment Days or the Summer Enrichment Experience @ Queen**

(2130) Que fait l'engrais?

Student: Alexios Ivankoivc

School: École Secondaire Mille-Îles