



Frontenac, Lennox and Addington Science Fair

FLASF 2018 AWARD WINNERS

Best of Fair Awards

Honorable Mention Plaque

(2401) UV-C Light to Prevent Microbes from Taking Flight

Student: Bryn Bain

School: Calvin Park Public School

Bronze Plaque and Trophy

(2141) Who are you calling birdbrained? Chickens are smarter than you may think

Student: Kira Allen

School: Calvin Park Public School

(4203) Canoe change the area of an eddy?

Student: Adrienne Scott

School: Kingston Collegiate & Vocational Institute

Silver Plaque and Trophy

(2412) Canada Still Has Not Banned Triclosan From Your Family Products

Student: Leila Smaili

School: King's Town School

Gold Plaque and Queen's University Trophy

(4202) A Sweet Drop-Off: Evaluating Metal Organic Framework Structures for Drug Delivery

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

Bronze Medal

(1308) The Eggtraordinary Egg

Students: Aeliya Haider , Trina Tran

School: Sydenham Public School

(1305) Solar panels effected by different weather

Student: Ben Slack

School: Lakeshore School

Silver Medal

(1307) Spring Stakes

Student: William Campbell

School: Lakeshore School

Gold Medal

(1306) Spread the word not the oil

Student: Yasmine Smaili

School: King's Town School

Physical and Mathematical Sciences Division Award - Primary Age Category

Honorable Mention

(1203) How much weight can magnetic slime hold?

Students: Lily Saunders , Emily Walsh

School: Sydenham Public School

Bronze Medal

(1208) Wondering About Wings

Student: Sam King

School: King's Town School



Frontenac, Lennox and Addington Science Fair

Silver Medal

(1205) Taking Flight Scientifically: A Paper Airplane Study

Student: Rhys Nicholson

School: King's Town School

Gold Medal

(1204) Nuts and Bolts

Student: Richard Ovey

School: King's Town School

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

Honorable Mention

(1111) Going 'Green', But Is It Clean?

Student: Claire Bennett

School: Sydenham Public School

(1114) Keeping Ice Off Your Windshield

Student: Max Comber

School: Sydenham Public School

(1121) Slip Sliding Away: Slopes and Erosion Control

Student: Hadley Fraser

School: King's Town School

(1124) The Effects of Substances in Plant Growth and Toxicity Levels

Student: Noah Caldas

School: King's Town School

Bronze Medal

(1107) Eco Freindly Island, Taking the C out of CO₂

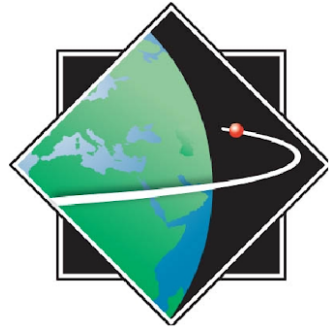
Students: Henry Barber , Jacob Isotalo

School: Sydenham Public School

(1113) Is White Light The Right Light?

Student: Declan Green

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

(1110) food colour:to bleach or not to bleach!

Student: Stepan Samuleev

School: Sydenham Public School

Silver Medal

(1127) Wonderfully Wave-Resistant Shorelines

Student: Luca Menard

School: King's Town School

Gold Medal

(1104) Could climate change worsen the effects of human pollution on local fish habitat?

Student: Ella Hickey

School: Lord Strathcona Public School

Human Health Science Division Award - Primary Age Category

Honorable Mention

(1414) Sucrose to glucose (diabetes related)

Students: Gwyneth Dyzak , Amelia Kraai

School: Sydenham Public School

(1402) A Stroll Down Memory Lane

Student: Katie Sealy

School: Sydenham Public School

(1406) Egg-cellent Cookies

Student: Zoe D'Elia

School: Sydenham Public School

Bronze Medal

(1405) Dominant and Recessive genes

Student: Samantha Springer

School: Lakeshore School

Silver Medal

(1404) Diet Coke VS Reg. Coke

Student: Matthew Kong

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

(1415) To Caffeine or Not to Caffeine, That is the Question - How Caffeinated Drinks Affect Reaction Time

Student: Ailsa Kerr

School: Sydenham Public School

(1401) "Vaccine-NATION" Opinions about Vaccination

Student: Gala Baranchuk

School: Lakeshore School

(1413) Mindfulness Meditation and Memory across ages

Student: Maya Nanji

School: Lakeshore School

Gold Medal

(1411)

Student: Rihana Almeraj

School: Rideau Public School

(1409) Fighting the Flu

Student: Wyatt Dalrymple

School: Sydenham Public School

Computing and Engineering Division Award - Junior Age Category

Honorable Mention

(2316) Preserve and Protect: The Smart Lifejacket

Student: Zachary Frank

School: Calvin Park Public School

(2324) Ton Iphone est vraiment trop "cool"

Student: Marisol Godbille Cardona

School: École Secondaire Catholique Marie Rivier

Bronze Medal

(2309) Freaken Laser Beams just cool or also usefull?

Student:

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Silver Medal

(2313) One Ball For All

Student: Griffin Wilson

School: Calvin Park Public School

Gold Medal

(2317) Self Driving With Cameras

Student: Michael Cox

School: Calvin Park Public School

Physical and Mathematical Sciences Division Award - Junior Age Category

Honorable Mention

(2215) Temperature vs. Tune

Student: Alia Gouveia

School: Leahurst College

(2206) La science du hockey

Students: Kevin Fitzgerald , Rajan Laird

School: École Secondaire Catholique Marie Rivier

Bronze Medal

(2204) Here's Looking At Shoe, Kid

Student: Annie Tanzola

School: Leahurst College

(2203) concussion-proof necklaces?

Students: Liam McAllister , Jackson Barnes

School: Calvin Park Public School

Silver Medal

(2219) UNPLUGGED ENERGY: Exploring The Peltier Tile

Student: Tess Fraser

School: Leahurst College

Gold Medal

(2220) Up, Up, and Away

Student: Clara Smallman

School: Module Vanier



Frontenac, Lennox and Addington Science Fair

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

Honorable Mention

(2134) The Effect of Environmental Pollutants in the Growth of Plants

Student: Yiannis Nomikos

School: Calvin Park Public School

(2102) To Grow or Not to Grow: The Effects of Pollution on Plant Growth

Students: Hilary Sun , Lydia Thorley

School: Calvin Park Public School

(2110) CRISPR Bio-engineering and its Impacts

Student: Michael Xu

School: Calvin Park Public School

Bronze Medal

(2132) The 5 Second Rule

Student: Alexandra Kulenkamp

School: Calvin Park Public School

(2112) Flammability of Children's Clothing

Student: Rachel Wilkinson

School: Calvin Park Public School

(2124) Le radon redoutable!

Student: Klara Sulek-Popov

School: École Secondaire Catholique Marie Rivier

Silver Medal

(2136) Tick Talk

Student: Willy Macpherson

School: Calvin Park Public School

(2116)

Student: Rizal Anderson

School: École Secondaire Catholique Marie Rivier



Frontenac, Lennox and Addington Science Fair

Gold Medal

(2141) Who are you calling birdbrained? Chickens are smarter than you may think

Student: Kira Allen

School: Calvin Park Public School

(2120) Hydroponics: The Sustainable, Soil-less, Spinach-Growing System

Students: Emily Hesp , Tom Fan

School: Calvin Park Public School

Human Health Science Division Award - Junior Age Category

Honorable Mention

(2402) (Un)Common Misconceptions?

Student: Ava Hounsell

School: Calvin Park Public School

(2406) Antibiotic Resistance, A Threat to the Human Race

Student: Angad Dhaliwal

School: Calvin Park Public School

(2453) What do people know about mental illness depending what generation they grew up in?

Student: Emma Stork

School: Calvin Park Public School

(2417) Consistently Incorrect Consensus

Student: Cooper Robertson

School: Calvin Park Public School

Bronze Medal

(2424) Fidget spinners vs Focus; Do they enhance your focus level?

Student: David Lai

School: Calvin Park Public School

(2408) Are You Gaining With Altitude Training?

Student: Lexi Sotiriadis

School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Silver Medal

(2448) The Variables That Affect Synesthesia

Students: Zakariyya Brewster , Roger Ambrose

School: Calvin Park Public School

(2452) Wash With Care. Then...Paper? Or Air?

Student: Ava Simpson

School: King's Town School

Gold Medal

(2412) Canada Still Has Not Banned Triclosan From Your Family Products

Student: Leila Smaili

School: King's Town School

Computing and Engineering Division Award - Intermediate Age Category

Bronze Medal

(3301)

Students: Nathan Hacault , Noah Thompson

School: École Secondaire Catholique Marie Rivier

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

Bronze Medal

(3102)

Student: Mariama Coulibaly

School: École Secondaire Catholique Marie Rivier

Silver Medal

(3101)

Students: Ellie Roumanis , Nicholas Roumanis

School: École Secondaire Catholique Marie Rivier

Human Health Science Division Award - Intermediate Age Category

Silver Medal



Frontenac, Lennox and Addington Science Fair

(3401)

Student: Pierre Ducharme Gauthier

School: École Secondaire Catholique Marie Rivier

Gold Medal

(3403)

Student: Aidan Fraser

School: École Secondaire Catholique Marie Rivier

Physical and Mathematical Sciences Division Award - Senior Age Category

Gold Medal

(4202) A Sweet Drop-Off: Evaluating Metal Organic Framework Structures for Drug Delivery

Student: Lydia Elbatarny

School: Kingston Collegiate & Vocational Institute

(4203) Canoe change the area of an eddy?

Student: Adrienne Scott

School: Kingston Collegiate & Vocational Institute

Computing and Engineering Division Award - Senior Age Category

Silver Medal

(4301) 13 reasons why 13 is prime

Students: Meghan Mosgrove , Aneisha Moorsaleen

School: Napanee District Secondary School

Gold Medal

(4304) From Steam to Stirling: A Revival of LTD Stirling Engines in a Novel Application of Renewable Energy

Student: Alex Chan

School: Kingston Collegiate & Vocational Institute

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



Frontenac, Lennox and Addington Science Fair

Bronze Medal

(4109) The Inhibition of Catalase

Student: Drake Johnson

School: Kingston Collegiate & Vocational Institute

Silver Medal

(4108) The effect of road salt on the solubility of oxygen in water

Student: Ethan Diak

School: Kingston Collegiate & Vocational Institute

Gold Medal

(4102) Cu on the other side: An experiment to discover the most efficient way to electroplate copper!

Student: Dawson Ethier

School: Kingston Collegiate & Vocational Institute

Human Health Science Division Award - Senior Age Category

Bronze Medal

(4403) Pesticides on Organic Clementines

Students: Charlotte Woodall , Karley Wood-Murphy

School: Napanee District Secondary School

Silver Medal

(4401) Effects of three different oncogenes on cell growth, migration, and morphology

Student: Shafagh Razaghzadeh Shabestari

School: Kingston Collegiate & Vocational Institute

Gold Medal

(4405) Vitamin EfficienC

Student: Jane Smallman

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Special Award Winners

ACFOMI Michel-Sarrazin Award

\$50 cash prize (\$50 cash)

(2116)

Student: Rizal Anderson

School: École Secondaire Catholique Marie Rivier

(2124) Le radon redoutable!

Student: Klara Sulek-Popov

School: École Secondaire Catholique Marie Rivier

(3403)

Student: Aidan Fraser

School: École Secondaire Catholique Marie Rivier

(3401)

Student: Pierre Ducharme Gauthier

School: École Secondaire Catholique Marie Rivier

City of Kingston Best Environmental Project Award

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

(1104) Could climate change worsen the effects of human pollution on local fish habitat?

Student: Ella Hickey

School: Lord Strathcona Public School

CMC Microsystems Award

\$100 gift certificate at Best Buy

(2326) Watch Out !!!!

Student: Yehia Nouredin

School: Calvin Park Public School

(4301) 13 reasons why 13 is prime

Students: Meghan Mosgrove , Aneisha Moorsaleen

School: Napanee District Secondary School



Frontenac, Lennox and Addington Science Fair

Engineering Seismology Group Award

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

(1127) Wonderfully Wave-Resistant Shorelines

Student: Luca Menard

School: King's Town School

INVISTA (Canada) Award for Innovation & Principled Entrepreneurship

Cash Prize of \$50 (Primary Project) plus a keeper trophy (\$50 cash)

(1101) Aquaponics V.S Soil

Student: Aidan Louie

School: Lakeshore School

Cash Prize of \$75 (Junior Project) plus a keeper trophy (\$75 cash)

(2316) Preserve and Protect: The Smart Lifejacket

Student: Zachary Frank

School: Calvin Park Public School

Cash Prize of \$150 (Intermediate Project) plus a keeper trophy (\$150 cash)

(3301)

Students: Nathan Hacault , Noah Thompson

School: École Secondaire Catholique Marie Rivier

Cash Prize of \$750 (Senior Project) plus a keeper trophy (\$750 cash)

(4304) From Steam to Stirling: A Revival of LTD Stirling Engines in a Novel Application of Renewable Energy

Student: Alex Chan

School: Kingston Collegiate & Vocational Institute

Kingston Field Naturalists Award

\$50 Book Certificate (primary)

(1127) Wonderfully Wave-Resistant Shorelines

Student: Luca Menard

School: King's Town School



Frontenac, Lennox and Addington Science Fair

(2136) Tick Talk

Student: Willy Macpherson

School: Calvin Park Public School

(1104) Could climate change worsen the effects of human pollution on local fish habitat?

Student: Ella Hickey

School: Lord Strathcona Public School

Kingston Process Metallurgy Award

Offer of 6 weeks employment with KPM at \$525/week OR a cash award of \$525.

(4302) Concentrated Juice

Student: Ian Chan

School: Kingston Collegiate & Vocational Institute

Kingston Technology Council Innovation Award

\$100 Cash Award (\$100 cash)

(2316) Preserve and Protect: The Smart Lifejacket

Student: Zachary Frank

School: Calvin Park Public School

Leahurst College Award for Excellence in Science

\$75 Science Shopping Spree Gift Certificate

(1107) Eco Freindly Island, Taking the C out of CO2

Students: Henry Barber , Jacob Isotalo

School: Sydenham Public School

(2309) Freaken Laser Beams just cool or also usefull?

Student:

School: Calvin Park Public School

(2207) Muons in the Mist

Student: Brigid Green

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

(1308) The Eggtraordinary Egg
Students: Aeliya Haider , Trina Tran
School: Sydenham Public School

(1401) "Vaccine-NATION" Opinions about Vaccination
Student: Gala Baranchuk
School: Lakeshore School

NomadHomes Innovation Award

One award of \$100 cash prize (\$100 cash)

(2219) UNPLUGGED ENERGY: Exploring The Peltier Tile
Student: Tess Fraser
School: Leahurst College

Ontario Association of Certified Engineering Technicians and Technologists Award

\$100 cash award and plaque (\$100 cash)

(2319) Sustainable Transportation Innovation
Student: Eden Anglin
School: Calvin Park Public School

Professional Engineers of Ontario Award

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

(4302) Concentrated Juice
Student: Ian Chan
School: Kingston Collegiate & Vocational Institute

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

(2309) Freaken Laser Beams just cool or also usefull?
Student:
School: Calvin Park Public School



Frontenac, Lennox and Addington Science Fair

Queen's University Department of Biology Award

Book prizes (\$50 value)

(1111) Going 'Green', But Is It Clean?

Student: Claire Bennett

School: Sydenham Public School

(2141) Who are you calling birdbrained? Chickens are smarter than you may think

Student: Kira Allen

School: Calvin Park Public School

(4106) The Best Bread: How different sugars can vary the effect of baker's yeast

Student: Karenna Chen

School: Kingston Collegiate & Vocational Institute

(1104) Could climate change worsen the effects of human pollution on local fish habitat?

Student: Ella Hickey

School: Lord Strathcona Public School

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

one week camp

(1104) Could climate change worsen the effects of human pollution on local fish habitat?

Student: Ella Hickey

School: Lord Strathcona Public School



Frontenac, Lennox and Addington Science Fair

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

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

(4402) Orange You Glad You Can See Colour?

Student: Alexandria Trefzger

School: Kingston Collegiate & Vocational Institute

(2423) Family Fingerprint Findings

Student: Natalie Urton

School: Leahurst College

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

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

(2401) UV-C Light to Prevent Microbes from Taking Flight

Student: Bryn Bain

School: Calvin Park Public School

(4401) Effects of three different oncogenes on cell growth, migration, and morphology

Student: Shafagh Razaghzadeh Shabestari

School: Kingston Collegiate & Vocational Institute

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

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

(4403) Pesticides on Organic Clementines

Students: Charlotte Woodall , Karley Wood-Murphy

School: Napanee District Secondary School



Frontenac, Lennox and Addington Science Fair

(2430) How Fast Food... Consumes our lives

Student: Rio Takeuchi

School: Calvin Park Public School

Queen's University Department of Chemistry Award

Cash Prize (\$100 cash)

(4202) A Sweet Drop-Off: Evaluating Metal Organic Framework Structures for Drug Delivery

Student: Lydia Elbatarny

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)

(2326) Watch Out !!!!

Student: Yehia Nouredin

School: Calvin Park Public School

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

(2321) The Battle of AI; Backpropagation VS Genetic Algorithm

Student: David Li

School: Calvin Park Public School

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

\$50 cash prize (\$50 cash)

(1121) Slip Sliding Away: Slopes and Erosion Control

Student: Hadley Fraser

School: King's Town School



Frontenac, Lennox and Addington Science Fair

Queen's University Department of Mechanical & Materials Engineering Award

Cash prize (\$100 cash)

(2316) Preserve and Protect: The Smart Lifejacket

Student: Zachary Frank

School: Calvin Park Public School

Queen's University Department of Pathology and Molecular Medicine Award

First place - cash prize (\$100 cash)

(2412) Canada Still Has Not Banned Triclosan From Your Family Products

Student: Leila Smaili

School: King's Town School

Second place - cash prize (\$75 cash)

(2401) UV-C Light to Prevent Microbes from Taking Flight

Student: Bryn Bain

School: Calvin Park Public School

Third place - cash prize (\$50 cash)

(4403) Pesticides on Organic Clementines

Students: Charlotte Woodall , Karley Wood-Murphy

School: Napanee District Secondary School

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

Cash prize and certificate (\$150 cash)

(2207) Muons in the Mist

Student: Brigid Green

School: Sydenham Public School

(4203) Canoe change the area of an eddy?

Student: Adrienne Scott

School: Kingston Collegiate & Vocational Institute



Frontenac, Lennox and Addington Science Fair

Queen's University Engineering Society Science Quest Awards

One week at Science Quest Camp

(1305) Solar panels effected by different weather

Student: Ben Slack

School: Lakeshore School

One week at Girls Quest Camp (restricted to girls)

(1415) To Caffeine or Not to Caffeine, That is the Question - How Caffeinated Drinks Affect Reaction Time

Student: Ailsa Kerr

School: Sydenham Public School

One week at ANY Camp (excluding impact and brainstorm)

(1204) Nuts and Bolts

Student: Richard Ovey

School: King's Town School

Queen's University School of Computing Award

\$100 cash prize + plaque (\$100 cash)

(2317) Self Driving With Cameras

Student: Michael Cox

School: Calvin Park Public School

Queen's University School of Environmental Studies Award

\$50 Book Prize

(2105) Black Diamonds

Student: Isidora Ferguson

School: Module de l'Acadie

(1116) Pay-Per Towel Paradise

Student: Hannah Behan

School: King's Town School



Frontenac, Lennox and Addington Science Fair

(1128) Your Waste = Your Garden's Water?

Student: Sophie Shen

School: King's Town School

(2140) What's In Our Water?

Student: Conor Murphy

School: Calvin Park Public School

RBLB Award

One award of \$100 + RBLB Hat (\$100 cash)

(1124) The Effects of Substances in Plant Growth and Toxicity Levels

Student: Noah Caldas

School: King's Town School

RentalGauge Innovation Award

One award of \$100 cash prize (\$100 cash)

(2320) Terrific Typing

Student: James Roberts

School: Calvin Park Public School

Rotary Club of Kingston Environmental Innovator Award

\$100 cash prize (\$100 cash)

(2105) Black Diamonds

Student: Isidora Ferguson

School: Module de l'Acadie

(1111) Going 'Green', But Is It Clean?

Student: Claire Bennett

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

Royal Military College of Canada Department of Military Psychology and Leadership

\$50 book prize certificate

(1413) Mindfulness Meditation and Memory across ages

Student: Maya Nanji

School: Lakeshore School

(2438) Perfect Perception

Student: Kaylan Bridges

School: Calvin Park Public School

St. Lawrence College Behavioural Science Award

\$100 cash

(1413) Mindfulness Meditation and Memory across ages

Student: Maya Nanji

School: Lakeshore School

St. Lawrence College Faculty of Applied Science Award

100\$ cash (\$100 cash)

(2317) Self Driving With Cameras

Student: Michael Cox

School: Calvin Park Public School

St. Lawrence College Health Science Award

\$100 cash

(2412) Canada Still Has Not Banned Triclosan From Your Family Products

Student: Leila Smaili

School: King's Town School



Frontenac, Lennox and Addington Science Fair

St. Lawrence College Research Department Award

100\$ cash (\$100 cash)

(4206) Observing the effect of temperature on Activation Energy using the Arrhenius Equation

Student: Garrison Mack

School: Kingston Collegiate & Vocational Institute

St. Lawrence College President's Award

100\$ cash (\$100 cash)

(2114) Friendly or Fraud? - Testing Eco-Friendly Detergent's Effects on the Environment

Student: Yilin Wang

School: Calvin Park Public School

STEAMworks Summer Camp Award

a week at STEAMworks Summer Camp

(1121) Slip Sliding Away: Slopes and Erosion Control

Student: Hadley Fraser

School: King's Town School

(1204) Nuts and Bolts

Student: Richard Ovey

School: King's Town School

(1116) Pay-Per Towel Paradise

Student: Hannah Behan

School: King's Town School

(1409) Fighting the Flu

Student: Wyatt Dalrymple

School: Sydenham Public School



Frontenac, Lennox and Addington Science Fair

Women in Science and Engineering

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

(2433) Let's Outsmart Diseases of the Heart

Students: Kanzy Elmaghraby , Manal Safeer

School: Calvin Park Public School

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

(1401) "Vaccine-NATION" Opinions about Vaccination

Student: Gala Baranchuk

School: Lakeshore School

University of Ottawa Entrance Scholarship Award

\$1000 Entrance Scholarship (\$1000 scholarship)

(4202) A Sweet Drop-Off: Evaluating Metal Organic Framework Structures for Drug Delivery

Student: Lydia Elbatarny

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

(1402) A Stroll Down Memory Lane

Student: Katie Sealy

School: Sydenham Public School

Queen's Enrichment Studies Unit Encouragement Award

Fully paid registration (commuter option) to a Queen's ESU May or August Program

(4105) Immobilized yeast

Student: Sarah Young

School: Napanee District Secondary School