

Annual Report 2022-2023

52nd Frontenac, Lennox & Addington Science Fair/Expo-sciences

Great Ideas...Great Potential!

The **Frontenac, Lennox and Addington Science Fair (FLASF)** is the regional science project competition for students in Grades 5 to 12 run annually in the spring in Kingston, Ontario. It is open to English-language and French-language students in public and Catholic schools, independent schools, and to home-schooled students located within the counties of Frontenac, Lennox and Addington.

After two years of virtual fairs, the **52nd Frontenac, Lennox and Addington Science Fair** was an exciting and successful in-person event. Participants used ProjectBoard hosted by Engineering.com and Youth Science Canada to create an online board for judges to view in advance and as a public viewing platform for those who could not attend in-person. Judging took place over two days and students competed for trophies, medals and special awards including cash prizes, science camps, gift certificates, summer internships at a local company, a university scholarship and travel awards for the 2023 Canada-Wide Science Fair. Three local public schools brought their students (five classes; 125 students) for public viewing of the physical displays prepared by students—for many, a first look at what science fair projects are all about.

The grade 5 and 6 science fair participants also enjoyed a workshop by Little Forests Kingston on the morning of the second day. Together with collaborators, Little Forests Kingston is working to bring 3-30-300 tree equity to Kingston: every child can see 3 trees from their window, live in a neighbourhood with at least 30% quality canopy and live within 300 metres of a quality greenspace.

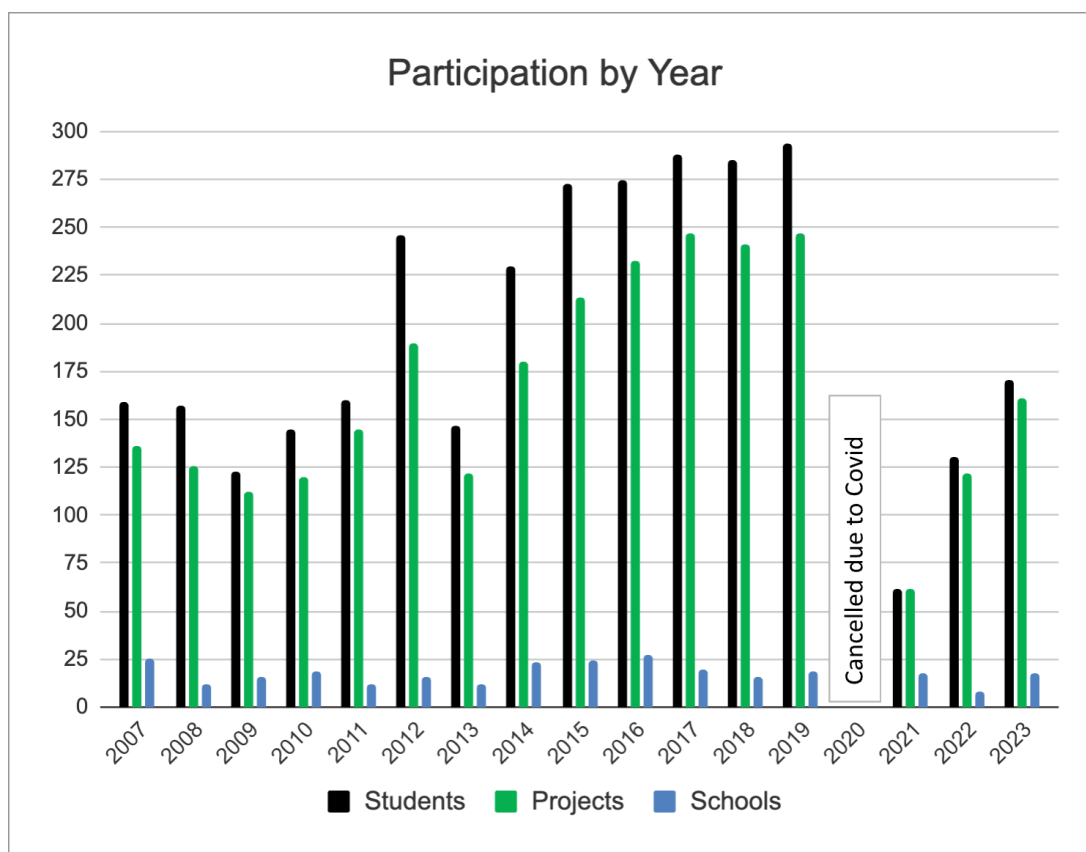
The Keynote Speaker was Alan MacDonald, a Challenge Program teacher from Loughborough Public School. He discussed *'The Science of Food: Saving the World with Vegetables'*. The students thoroughly enjoyed his presentation. This was followed by a slideshow montage and the Awards Ceremony.

The FLASF committee would like to thank all our sponsors, volunteers, community supporters, parents, teachers, and students. After a successful return to an in-person fair, we look forward to expanding day of fair workshop offerings and increasing the number of students and projects for the 53rd FLA Regional Science Fair in March 2024.

Sponsorship and support of the Frontenac, Lennox and Addington Science Fair ensures all youth who are interested in science can be part of FLASF!

FLASF 2023 Facts

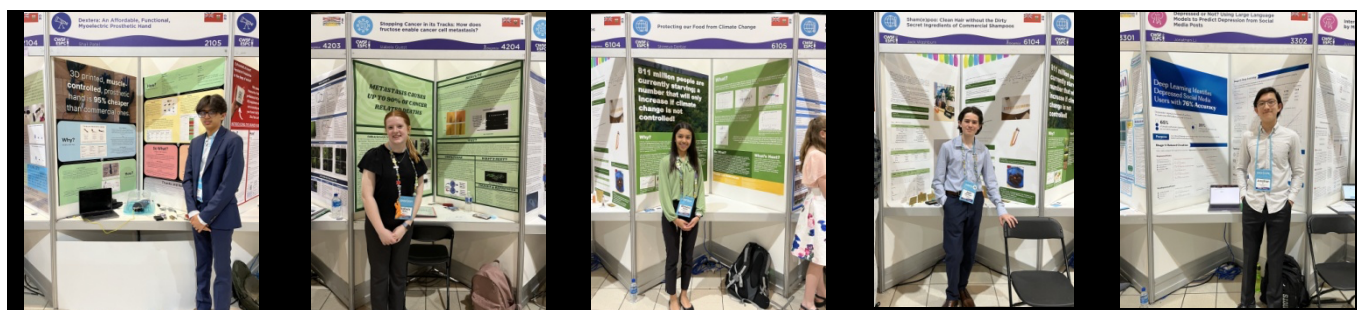
- ❖ 170 students registered
 - grade 5 and 6 – 19
 - grade 7 and 8 – 137
 - grade 9 and 10 – 7
 - grade 11 and 12 – 7
- ❖ 161 science projects
 - students competing in four project divisions:
 - computing and engineering
 - physical and mathematical sciences
 - life and earth sciences
 - human health sciences
- ❖ 121 Category Award judges and 48 Special Award judges from the local science community were ready to volunteer their time to meet the students and judge the projects
- ❖ 70 Special Awards were awarded to participants
- ❖ All students presenting a project received a special FLASF t-shirt



FLASF Best of Fair Awards and Canada-Wide Science Fair

Students in Grades 7 to 12 are eligible for the Best of Fair Awards. These five award winners are invited to attend the Canada-Wide Science Fair (CWSF). This event is Canada's highest level of science fair competition. It brings together 500 students from across the country and provides an experience of a lifetime, with students from all provinces and territories taking part, along with industry and academic professionals. The five FLASF students are joined by one or two FLASF Committee member (chaperones) and all expenses are covered by FLASF.

The CWSF took place in-person May 14-19, 2023 (Edmonton, Alberta). The students did very well, winning four Youth Science Canada Excellence Awards and nine university scholarships. As a result of this experience, one of these students, Jack Washburn, represented Canada at MILSET Expo-Sciences International 2023 in Puebla, Mexico this October.



Best of Fair	Participant	Project	Canada-Wide Science Fair Results
Gold	Shail Patel <i>Junior</i>	Dextera: An Affordable, Functional, Myoelectric Prosthetic Hand	Excellence Award – Bronze University of Alberta Entrance Scholarship - \$1500 Western University Entrance Scholarship - \$1000
Silver	Izabela Quest <i>Intermediate</i>	Stopping Cancer in Its Tracks; How Does Fructose Enable Cancer Cell Metastasis	Excellence Award – Bronze University of Alberta Entrance Scholarship - \$1500 Western University Entrance Scholarship - \$1000
Bronze	Echo Middaugh <i>Junior</i>	Programming Positivity	Could not attend – <i>Sent Jonathan Li as alternate</i>
Honourable Mention	Shreeya Darbar <i>Junior</i>	Protecting Our Food from Climate Change	
Honourable Mention	Jack Washburn <i>Junior</i>	Microplastics in Hair Products	Excellence Award – Bronze University of Alberta Entrance Scholarship - \$1500 Western University Entrance Scholarship - \$1000
Senior Category – Gold Medal	Jonathan Li <i>Senior</i>	Depressed or Not? Using Large Language Models to Predict Depression from Social Media Posts	Excellence Award – Bronze University of Alberta Entrance Scholarship - \$1500 University of Ottawa Entrance Scholarship - \$1000 Western University Entrance Scholarship - \$1000

Join us for FLASF 2024 -- March 21- 22, 2024

Where we will be celebrating 53 years of engaging Youth in Science

Summary Statement of Operations July 1, 2022 to June 30, 2023

Revenue

Sponsorship	\$ 19,600
Entry Fees	2,670
Special Awards	4,725
CWSF 2001 Trust Fund interest	1,238
NSERC Grant	-
HST Refund & Other	1,322
Donation	-
Prior Year Revenues	500

Total Revenue	\$	30,055
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Expenses

(1) Students	\$ 21,286
(2) Judges	1,540
(3) Sponsors	-
(4) Fair Operations & Administration	5,723
Prior Year Expenses	

Total Expenses	\$	28,549
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Net Income	\$	1,506
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(1) Students

CWSF (5 Students and 2 chaperones)	14,567
Special Awards	5,160
Activities/Presentations	-
Trophies, Medals, T-shirts, Water Bottles & Team Jackets	1,559
	\$ 21,286

(2) Judges

Supper, Refreshments	\$ 1,540
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(3) Sponsors

Mailings, Annual Report, Post Cards, Banner	\$ -
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(4) Fair Operations & Administration

Outreach, registration, supplies, parking, rentals, first aid services, security & equipment purchase	4,286
Project Board - Tier 2	-
Bank service charges	119
Website hosting & domain	720
Website Revamp and migration	-
Storage Unit rental	-
HST	599
	\$ 5,723

Note: FLASF administers the cash awards donated by most sponsors for special awards.

FLASF 2023 Sponsors

A huge thank you to all our sponsors for their support of FLASF and youth science. A special mention to Queen's University, Faculty of Education for generously providing the space and facilities at Duncan McArthur Hall.

Platinum

Queen's University
INVISTA (Canada) Company
Kingston Process Metallurgy Inc.
Leahurst College
St. Lawrence College

Gold

Queen's University, Faculty of Engineering and Applied Science
Queen's University, Vice Principal Research
Queen's University, Faculty of Education, MSTE
E.I. DuPont Canada Company
Algonquin & Lakeshore Catholic District School Board
Limestone District School Board
Limestone District School Board
BluMetric Environmental
Queen's University, Faculty of Education
Callidus Engineering
RJC Engineers Ltd.
Mine Design Technologies Inc.
Northland Power
Ontario Power Generation
Queen's University, Faculty of Arts and Science

Silver

Mr. Terry Soleas
Rotary Club of Kingston

Bronze

XCG Consulting Limited

Platinum sponsorship: \$2000 and above
Gold sponsorship: \$500 to \$1999
Silver sponsorship: \$200 to \$499
Bronze sponsorship: \$100 to \$199

The regional science fair event (FLASF) and attendance at the national science fair competition (CWSF) are made possible by the generosity of local school boards, companies, educational institutions, and provincial organizations.

Thank you to all our sponsors and volunteers!