

Annual Report 2010-11

40th Anniversary Year

Frontenac, Lennox & Addington Science Fair

Expo-sciences de Frontenac, Lennox & Addington

Great Ideas... Great Potential!

The **Frontenac, Lennox and Addington Science Fair (FLASF)** is the regional science project competition for Grades 5 to 12 students that is run annually in April in Kingston, Ontario. It is open to public, separate, private and home-schooled students in the regions served by the Limestone District School Board and the Algonquin and Lakeshore Catholic District School Board.

The **40th Frontenac, Lennox and Addington Science Fair** was held on April 7-8, 2011 at McArthur Hall, Queen's University, in Kingston, Ontario. There were over 160 students (an increase of 9% from 2010) from 13 schools who presented over 140 projects in four project divisions (computer science and engineering, physical and mathematical sciences, life and earth sciences, human health sciences) and competed for trophies, medals and special awards including cash prizes and university scholarships. More than 100 judges from the local science community volunteered their time to meet students and review their projects.

New this year were exhibits from local organizations that showed how science happens in our community. As well, students from local schools were invited to the public viewing of the projects and came to science presentations given by staff from the Canada Agriculture Museum and from Let's Talk Science. All students were eligible to win family passes to the Canada Science and Technology, Aviation and Space, and Agriculture Museums, and participants received a special FLASF t-shirt. The Fair culminated with the keynote talk, given by Geoff Green, the leader of many expeditions to both North and South Poles, and the Awards Ceremony where FLASF presented 61 awards in the four project divisions, 43 special awards and 5 best-of-fair awards.

The five best-of-fair students went on to compete at the 50th Canada-Wide Science Fair (CWSF). They did very well, winning six major awards of cash prizes and university scholarships, including the Senior Engineering Innovation Award, the Environment Challenge Award for the Top Project in the junior category, one Silver medal in the Senior division, and one Gold medal and two Bronze medals in the Junior division. This national fair was held from May 14 to 21, 2011, in Toronto, and is Canada's highest level of Science Fair Competition. It brings together close to 500 students from across the country and provides an experience of a lifetime, with students from all across Canada meeting and interacting with fellow students, and industry and academic professionals in their field of interest. The students were accompanied by two adult chaperones and their travel expenses were covered.

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. In 2011, 25 sponsors supported FLASF through donations and in-kind contributions to the general sponsorship program and 32 sponsors provided special awards. Several new sponsors were welcomed.

Summary Statement of Operations 1 July 2010 to 30 June 2011

Revenue	
General Sponsorship	\$12,700.00
Entry Fees	\$2,400.00
Concession Stand	\$1,751.00
Grants through Youth Science Ontario	\$1,650.00
^a CWSF 2001 Trust Fund	\$0.00
Special Awards	\$2,375.00
Other	\$32.00
Total Revenue	\$20,908.00
Expenses	
¹ Students: Awards, Recognition, Activities	\$15,474.00
Judges	\$1,001.00
Concession Stand	\$1,002.00
² Administration	\$1,365.00
³ Information Services	\$241.00
⁴ Other	\$190.00
Total Expenses	\$19,273.00
Net Difference (Total Revenue – Total Expenses)	\$1,635.00
¹Disbursements to Students	
Participation	\$1014.00
Special Awards	\$2375.00
^b CWSF	\$6280.00
^c Student Activities/Presentations	\$5,650.00
^d Trophies and Medals	\$155.00
Total to Students	\$15,474.00
²Administration Expenses	
Office Supplies, Postage, Service Charges	\$381.00
Fair Operations/Equipment Rental	\$661.00
Fair Promotion/Sponsors	\$323.00
Total Administration	\$1365.00
³Information Services	
Website Domain Name	\$56.00
Science Fair in a Box Software	\$185.00
Total Information Services	\$241.00
⁴Other Expenses	
Youth Science Ontario Conference Registration	\$0.00
^e Youth Science Ontario Fair Promotion Banner	\$190.00
Total Other Expenses	\$190.00

Notes:

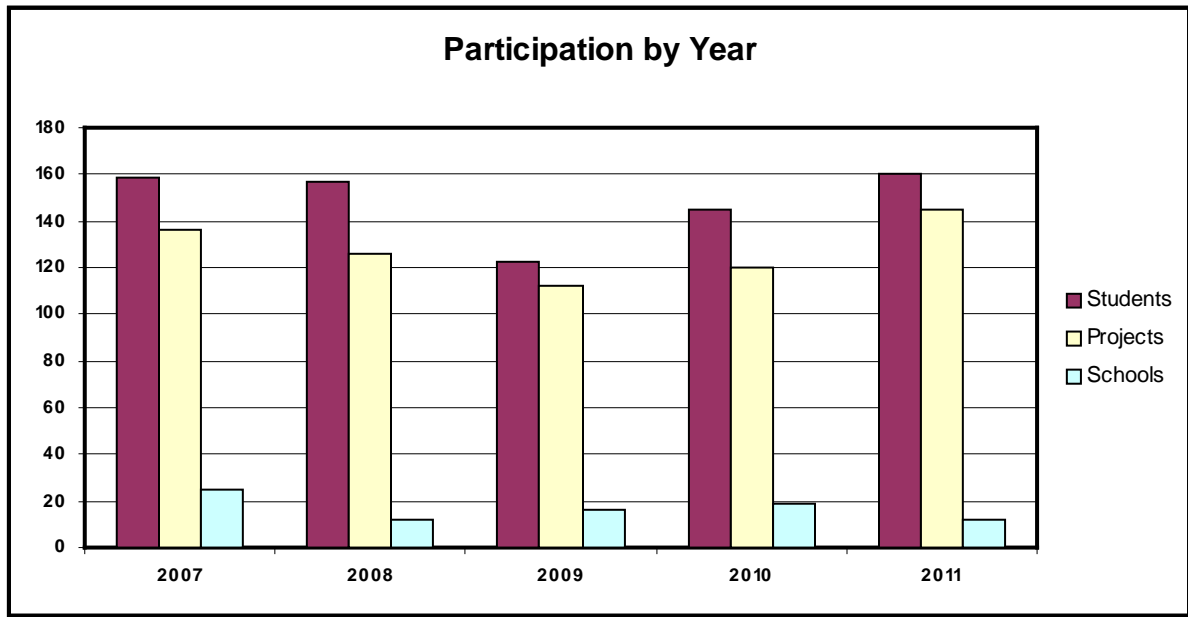
^aFunds from the CWSF 2001 Trust Fund were not required this year.

^bTravel to CWSF 2011 was subsidized for all regional science fairs by a grant from the Ontario Ministry of Research and Innovation through Youth Science Canada. This year is expected to be the last year of subsidization.

^cThe cost for the presentations to the students varies from year to year, depending on who is contracted to provide the service.

^dTrophy costs include refurbishment and engraving.

^eA Youth Science Ontario grant paid for a second promotion display banner and for fair promotion. FLASF administers the cash awards donated by most sponsors for special awards.



(l-r) Sydney Masaheb, Gregory Borschneck, Malak Elbatarny, Neel Sharma, Laura Dunne-Mucklow, at the 50th Annual Canada-Wide Science Fair, held in Toronto, May 14–21, 2011

Sponsors for 2010-11

Gold Sponsors	Special Awards Sponsors
<p>Algonquin and Lakeshore Catholic District School Board DuPont Canada Empire Life Insurance Co. LifeLabs Inc. Limestone District School Board Mine Design Technologies Inc. Novelis Global Technology Centre PARTEQ Innovations Queen's University, Faculty of Arts and Science Queen's University, Faculty of Engineering and Applied Science Queen's University, Faculty of Health Sciences Queen's University, MSTE Group - Faculty of Education Queen's University, Office of the Vice-Principal (Research) St. Lawrence College WESA Inc.</p>	<p>Association canadienne-française de l'Ontario Canadian Obesity Network City of Kingston CMC Microsystems Hydro One Networks Kingston Field Naturalists KFL&A Public Health Museum of Health Care at Kingston Nipissing University Award Novelis Global Technology Centre Ontario Association of Certified Engineering Technicians and Technologists Ontario Association of Medical Laboratories Ontario Ministry of the Environment Ontario Ministry of Research and Innovation Professional Engineers of Ontario Queen's University: Centre for Neuroscience Studies Department of Anatomy and Cell Biology Department of Biology Department of Chemistry Department of Electrical & Computer Engineering Department of Mechanical & Materials Engineering Department of Microbiology & Immunology Department of Pathology and Molecular Medicine Department of Physiology Engineering Society Science Quest School of Computing School of Environmental Studies Royal Astronomical Society of Canada Royal Military College Green Team University of Ontario Institute of Technology University of Ottawa Youth Science Ontario</p>
Silver Sponsors	
<p>Innovation Park at Queen's University Kimco Steel Sales Limited Professional Engineers of Ontario (Kingston Chapter)</p>	
Bronze Sponsors	
<p>Roger Bowes ELORIN GENIVAR McCormick Rankin Corporation (part of MMC) Qubit Systems Inc. Sensient Colors Canada Ltd. XCG Consultants Ltd.</p>	
<p>Platinum Sponsorship: \$2000 and above Gold Sponsorship: \$500 to \$1999 Silver sponsorship: \$200 to \$499 Bronze sponsorship: \$100 to \$199</p>	

Key support was provided by the many volunteers who helped before and during the fair, by the judges who shared their enthusiasm for science with the participants, by the Faculty of Education at Queen's University that provided the facilities for the Fair, by Queen's University staff and students who contributed to the running of the Fair, and by the Limestone District School Board that provided support and services. Special thanks to the organizations that provided exhibits and speakers, and to the Canada Science and Technology Museums Corporation for providing family passes as prizes.

FLASF Best-of-Fair Awards for 2011

Students who are in Grades 7 to 12 are eligible for the best-of-fair awards. The award winners are invited to attend the Canada-Wide Science Fair, which was held this year in Peterborough. The following students were the 2011 FLASF best-of-fair winners:

Best of Fair Award	Name	Project	
GOLD	Neel Sharma	SOS (Stop Oil Spills)	
SILVER	Sydney Mosaheb	A Hairy Ordeal	
BRONZE	Malak Elbatarny	Making Connections: Introducing the Artificial Nerve	
HONORABLE MENTION	Gregory Borschneck	Solar Cycle	
HONORABLE MENTION	Laura Dunne-Mucklow	Flexing Wings	