



BASEF Annual Report 2006

Big ideas. Infinite possibilities.



Bay Area Science and
Engineering Fair

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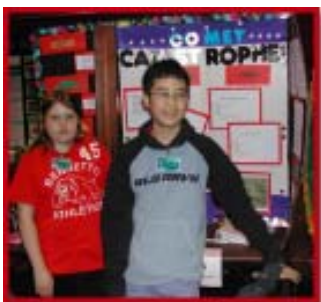
Thanks to our sponsors, 421 students from 62 schools, displayed 281 projects and amazed thousands of visitors during BASEF 2006 events.



CWSF Team BASEF 2006

Our top 20 students were awarded trips to attend the Canada Wide Science Fair (CWSF) in Saquenay, QC, or the Intel International Science and Engineering Fair (IISEF) in Indianapolis, Indiana.

Seven BASEF students were part of the 19 member Team Canada contingent that competed at IISEF.



Volunteers make BASEF possible!

In addition to the dedicated organizing committee, BASEF recruits hundreds of volunteers for the four day fair to ensure that our student participants are provided with an enriching and rewarding experience. More than 50 volunteers were on hand during project registration and set up. Sixteen BASEF trained safety inspectors ensured projects met all requirements and our photo crew was kept busy snapping and printing shots of items deemed too large or unsafe to display. Students were provided with the photos to use on their display table.

Over 115 judges volunteered for a day of merit award judging. Every project was independently judged three times. An additional 95 special awards judges assessed projects to determine winners of the 140 awards. As the onus is on the judges to provide students with an experience that is positive and enriching, BASEF offered three judging training sessions, attended by 35 new judges. Although science fairs are generally a competition, students are also provided with an opportunity to display their creative scientific activity beyond the classroom and in the world. The judging official, a member of the scientific community, is an essential piece of this experience.



Activity Day BASEF 2006

250 students and 25 chaperones attended the all expenses paid activity day event at the Canada Marine Discovery Centre. We believe that our students should be rewarded for their extracurricular efforts and have a chance to meet other students interested in science and technology.





The Bay Area Science and Engineering Fair (BASEF) is the regional fair for the City of Hamilton, Region of Halton and the Counties of Brant, Haldimand and Norfolk. BASEF is open to over 100,000 students from Grade 7 to 12 in attendance at public, separate, independent, private and home schools. BASEF is a registered charity and volunteer

driven organization with a diverse group of committee members from business, education, health sciences and industry.

The mission of BASEF is to promote project based science and encourage youth to conduct research in areas of science, engineering and technology, utilizing the scientific method or engineering design process.

We believe all students should be given the opportunity to participate in science fairs. Students learn invaluable academic and life skills through researching, experimenting, displaying and presenting their projects. The judging process and public viewing components allow students to practice their “people” and communication skills and gain self-confidence and a sense of accomplishment for a job well done.

BASEF volunteers organized and staged the 46th Annual Regional Fair at Mohawk College. Mohawk College administration and staff offered unprecedented support, cooperation and assistance to BASEF and provided a warm welcome to all of our students, volunteers and visitors.

At BASEF 2006, 137 gold, silver or bronze Merit Award medals (including \$6,953 in cash), 141 Special Awards (cash and scholarships totalling \$17,175) and twenty all expense paid trips were awarded. Each of our medal winners received a \$500 entrance scholarship to Mohawk or Sheridan College.

All student participants received a goody bag containing software generously donated by Microsoft, the official BASEF 2006 teeshirt, a music download coupon courtesy of Bell Canada and other miscellaneous items donated by sponsors. The total value of each goody bag exceeded \$250.

Each student was offered the opportunity to participate in our fun and educational Activity Day event. Students were transported to the Canada Marine Discovery Centre for an enjoyable day of hands on activities. Our goal at BASEF is to make science fair participation a rewarding and enjoyable experience. Students may not win big in their first or even second science fair competition, however they gain the tremendous opportunity to meet other students interested in science and technology, and get a chance to meet and learn from some of our successful science fair veterans.

BASEF 2006 Highlights

- overall participation increase of 12%
- over \$262,000 in cash, prizes and scholarships awarded
- every participant received a goody bag worth \$250
- 20 all expense paid trips to the national or international science fair
- 137 entrance scholarships to Mohawk or Sheridan College

Outreach

Efforts to expand participation from under represented students in our catchment area continued in earnest. Our Outreach coordinator conducted 17 workshops for 99 teachers and approximately 1000 students from Hamilton, Halton, Brant, Haldimand, including public, separate, private and Six Nations schools. In addition, four heavily advertised workshops, specifically targeting students and parents from the Halton region were presented. Participation by students from the Halton District School Board (HDSB) increased by more than 450% over 2005 levels and four HDSB students advanced to compete at the Canada Wide Science Fair. Development of an online version of our Science Success! student materials continues.



Summary of Disbursements as at August 31, 2006

Expense Summary	
Students: Awards/Recognition/Activities	\$72,185
Site & Judging	13,092
Outreach	11,907
Information Services	5,350
Administration	7,451
Total Expenses	\$109,985

Statement of Operations - Fund Balance

For the period of September 1, 2005 - August 31, 2006
(unaudited, with comparative amounts for the year ended August 31, 2005)

Revenue	2006	2005
General	\$78,706	\$74,809
Special Awards	12,950	14,425
Ontario Trillium - I.S.	5,350	
Ontario Trillium - Outreach	11,719	
Interest/GST rebate	765	2,001
Total Revenue	109,490	91,235
Total Expenses	109,985	92,644
Excess of Expenses over Revenue	(495)	(1,409)
Fund Balance-Beginning of Year	16,205	17,614
Fund Balance-End of Period	\$15,710	\$16,205

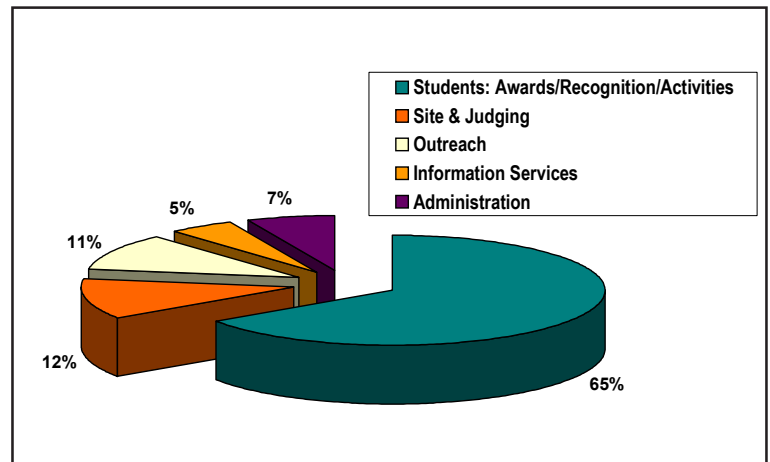
Administrative Expenses as at August 31, 2006

Administration Expenses	
Office Expenses	\$2,635
Ceremony/Sponsor Recognition	1,513
Marketing & Publicity	529
Fundraising	1,842
Bank Charges/Interest	443
Volunteers	489
Total Administration	\$7,451

Disbursements to Students as at August 31, 2006

Student : Awards, Recognition, Activities	
Participation Awards	\$4,902
Student Activities	2,396
Trophies & Medals	3,319
Photography	559
Merit Awards	6,953
Special Awards	13,138
CWSF	31,958
Intel ISEF	8,960
Total to Students	72,185

Total Disbursements by Expense Category



Notes:

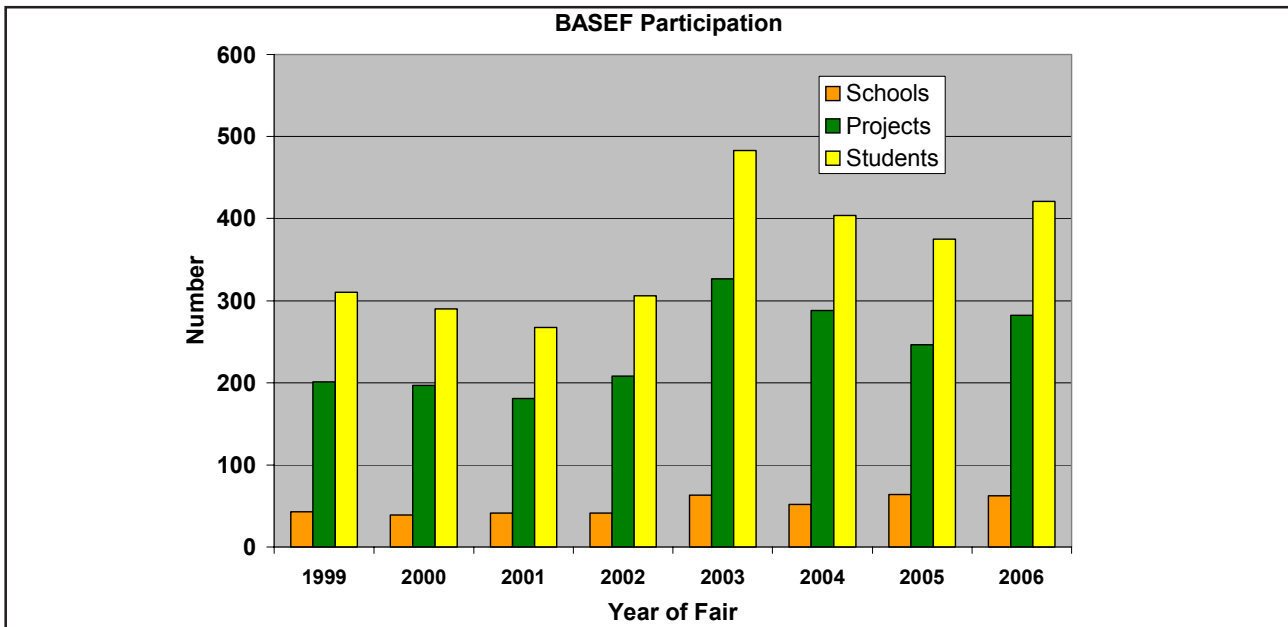
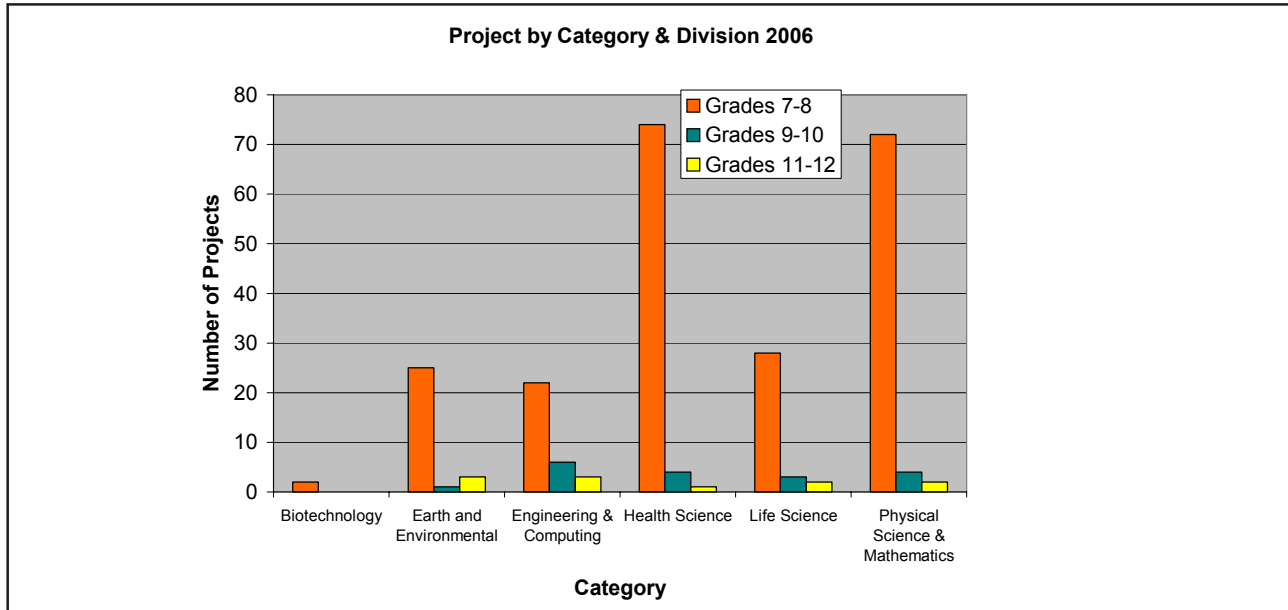
- fiscal year end is August 31, 2006; annual review engagement financial reports available in January
- sponsors donating in-kind services continued to help us provide an exceptional experience for BASEF student participants; key donations included busing for Activity Day, software and books, printing, newspaper advertising, graphic design services, photo ID tags, accounting, loan of a van to transport projects to CWSF and web hosting
- BASEF received funding from the Ontario Trillium Foundation for website redesign and Outreach activities
- student awards, recognition and activities were 65% of the total disbursements of \$ 109,985 (In addition to these disbursements to students, each participant received a goody bag with a retail value of \$250, and all medal winners (137 students) received entrance scholarships to either Mohawk or Sheridan College)
- total prize purse was over \$ 262,000; BASEF awards the largest prize purse of any regional fair in Canada
- BASEF administers the cash awards donated by sponsors for Special Awards
- 57 sponsors provided support for BASEF 2006 and we welcomed 8 new sponsors
- 20 BASEF students accompanied by 6 adult chaperones competed at the national and international science fairs in May



Participation Highlights:

Compared to BASEF 2005:

- overall student participation increased by 12%
- number of projects increased by 14%
- number of Junior Division students increased by 10%
- number of Intermediate/Senior students increased by 35%
- Outreach efforts had a dramatic impact on participation (450%) by Halton District School Board students



BASEF continues to promote project based science initiatives in an effort to bring the science fair experience to as many students as possible. The BASEF developed Science Success! materials continue to be utilized on the regional, national and international level. BASEF committee members regularly volunteer their time to assist teachers through judging at in school science fairs, mentoring students and easing newcomers through the myriad of required rules, regulations and scientific review requirements

BASEF is only the beginning for many of our students.

Seven BASEF students participated at the Intel International Science Fair in Indiana as members of Team Canada and won cash and prizes in excess of \$10,000. Kayla Cornale won a First Place Award and a special award for her innovative work, "Sounds into Syllables", a music based teaching system for autistic children. Ben Gulak and Alex Molloy won a Third Place Award as well as a special award for their project "CSI: Controlled Spherical Intelligence".



Kayla Cornale
First Place Award IISEF
CWSF 2006 Best in Fair

Kayla travelled from IISEF in Indiana to Quebec to compete at the Canada Wide Science Fair (CWSF) where she won a Gold Medal, top Senior project and overall Best in Fair. Kayla's win follows that of BASEF alumnus Natalie Raso who won CWSF Best in Fair in 2005. Overall, Team BASEF won more than \$34,000 in cash and prizes and were the top regional team at CWSF for the third consecutive year.

CASTIC in Macao

Anne Marie Child's project "Date Rape Drugs: Can They be Detected?" earned a Fourth Place award at IISEF and a trip to Macao to attend the 21st China Adolescents Science and Technology Innovation Contest.



James Hillier Foundation Scholarships

The science prowess of Chris Foster and Xiong Zhao, who were awarded trips to IISEF at BASEF 2006, was recognized by the James Hillier Foundation. Each received a \$20,000 scholarship and attribute much of their success to the experience and opportunities provided by BASEF.

Presentation Opportunities

Dozens of BASEF students were invited to attend a variety of venues celebrating youth in science including the Dofasco Creativity and Innovation Fair, SciTech Ontario Legislature event as well as a dinner meeting at the Hamilton Branch of the Canadian Institute of Mining, Metallurgy and Petroleum.

Top 20 under 20: BASEF extends congratulations to Kayla Cornale and Natalie Raso, who were selected as recipients of the 2006 Top 20 Under 20 award and mentoring program. Top 20 Under 20, a program of Youth in Motion is designed to seek out and reward young Canadians who have demonstrated significant levels of innovation, achievement and leadership. Kayla and Natalie were recognized for their spectacular science fair successes at the regional, national and international levels.

BASEF 2006 Sponsors

BASEF gratefully acknowledges the generosity of all of our 2006 fair sponsors.

Title Sponsor: Dofasco

Diamond (\$10000+)

The Hamilton Spectator
Microsoft Canada
Primary Fluid Systems

Platinum (\$5000+)

Bell Canada
Interkom Creative Marketing
JNE Consulting
McMaster University
Mohawk College
Sheridan College

Silver (\$1000+)

Boehringer Ingelheim Canada; Bruce Riddiough; City of Hamilton Economic Development; Comstock Canada; Edward Oldham; Gennum Corp.; Halton Business Development Centre; Halton Catholic District School Board; Halton District School Board; Hamilton Halton Construction Assoc.; Hamilton-Wentworth Catholic District School Board; Hamilton-Wentworth District School Board; Hillfield-Strathallan College; OACETT; Omron Canada; Rotary Club of Hamilton; SciTech Ontario; Seldon Griffin Graphics; Triple Crown Enterprises; Union Gas; Zenon Environmental

Bronze (\$500+)

Burlington Pump; Brusey Awnings; Chrysler Canada; Community Awareness Emergency Response Hamilton; Deloitte and Touche LLP; Discovery Ford; Golden Horseshoe Biosciences Network; Hamilton Wentworth Education Workers; John Deere Foundation; Leppert Business Systems; MDS Laboratory Services; Optimist Club of Stoney Creek; Pioneer Hi-Bred; Rotary Club of Hamilton AM & Rotoract Club of McMaster University; Teachers Credit Union

and our many sponsors at the Friends level.