



Big ideas. Infinite possibilities.



**Bay Area Science and
Engineering Fair (BASEF)
2005 Annual Report**



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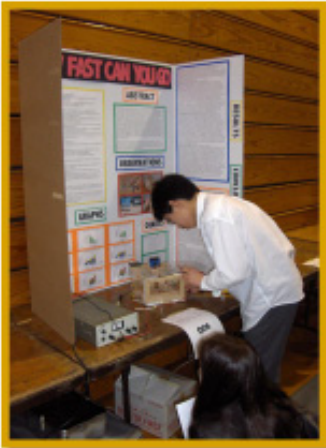


Thanks to our sponsors, 375 students from 64 schools, displayed 246 projects and amazed thousands of visitors during BASEF 2005 events.



Grand Trip Award winners and alternates, BASEF 2005 Awards Ceremony.

Our top 24 students were awarded trips to attend the Canada Wide Science Fair (CWSF) in Vancouver, B.C., or the Intel International Science and Engineering Fair (IISEF) in Phoenix, Arizona.



Students are the VIPs at BASEF!

More than 50 volunteers were on hand during project registration and set up.

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 200 judges volunteered for a day of judging. Every project was independently judged four times in the merit award round. Judging for the 139 special awards took place simultaneously, and many students had judges waiting in line to hear about their project.



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 2005

240 students and 25 chaperones attended the all expenses paid activity day event at Ontario Place. 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 45th Annual Regional Fair at Sheridan Institute of Technology and Advanced Learning. Sheridan 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 2005, 125 gold, silver or bronze Merit Award medals (including \$6,080 in cash), 139 Special Awards (cash and scholarships totalling \$24,000) and twenty four 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 2005 teeshirt, a music download coupon courtesy of Bell Canada and other miscellaneous items donated by sponsors.

Each student was offered the opportunity to participate in our fun and educational Activity Day event. Students were transported by luxury coach (actually school buses) to Ontario Place where they had the opportunity to view several IMAX presentations as well as participate in a Mad Science event. 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.

A graphic with a red and orange patterned background and a dark blue border. The title "BASEF 2005" is at the top in white. Below it is a list of achievements in white text.

- over \$212,500 in cash, prizes and scholarships awarded
- every student received a goody bag worth \$200
- 20 all expense paid trips to the national science fair
- 4 all expense paid trips to the international science fair
- 125 entrance scholarships to Mohawk or Sheridan College

Alexandra, a first time BASEF participant had the following to say: “Presenting to the four different judges made me a little bit nervous at first but I started explaining my project and with their help I found myself enjoying the experience. They made me feel important as they were interested in what I had to say. I enjoyed the whole experience and found that everyone was more than willing to help me from the volunteers to the other participants. I thought that going to the Ontario Place and seeing the IMAX films and the Mad Science Presentation was a wonderful treat.”



Summary of Disbursements as at August 31, 2005

Expense Summary	
Students: Awards/Recognition/Activities	\$72,769
Site & Judging	11,264
Outreach	900
Administration	7,571
Total Expenses	\$92,504

Administrative Expenses as at August 31, 2005

Administration Expenses	
Office Expenses	\$3,109
Ceremony/Sponsor Recognition	1,531
Marketing & Publicity	257
Fundraising	1,662
Bank Charges/Interest	414
Information Services	94
Volunteers	504
Total Administration	\$7,571

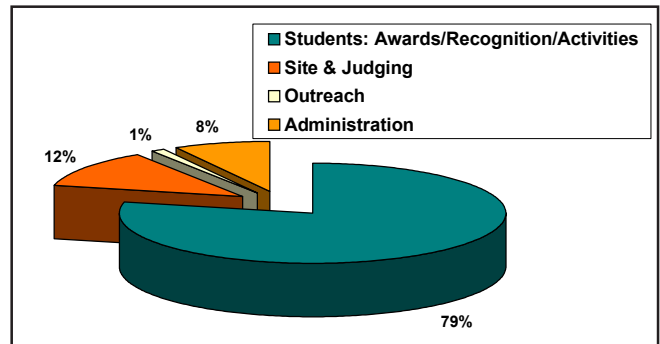
Statement of Operations - Fund Balance

For the period of September 1, 2004 - August 31, 2005
(unaudited, with comparative amounts for the year ended August 31, 2004)

Revenue	2005	2004
General	\$74,809	\$66,899
Special Awards	14,425	13,600
Ontario Trillium - Operations		10,900
Ontario Trillium - Outreach		11,700
Interest/GST rebate	2,001	1,104
Total Revenue	91,235	104,203
Total Expenses	92,504	102,569
Excess of Expenses over Revenue	(1,269)	1,634
Fund Balance-Beginning of Year	17,614	15,980
Fund Balance-End of Period	\$16,345	\$17,614

Student : Awards, Recognition, Activities	
Participation Awards	\$2,382
Student Activities	5,238
Trophies & Medals	249
Photography	698
Merit Awards	5,692
Special Awards	14,650
CWSF	34,018
Intel ISEF	9,842
Total to Students	\$72,769

Total Disbursements by Expense Category



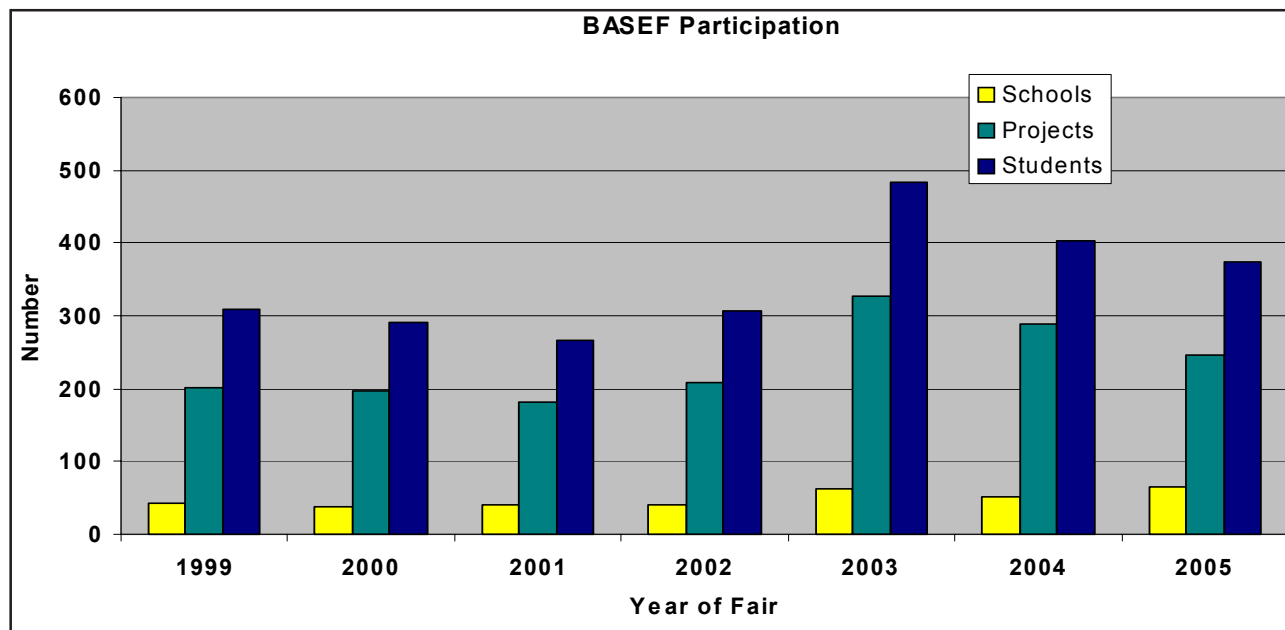
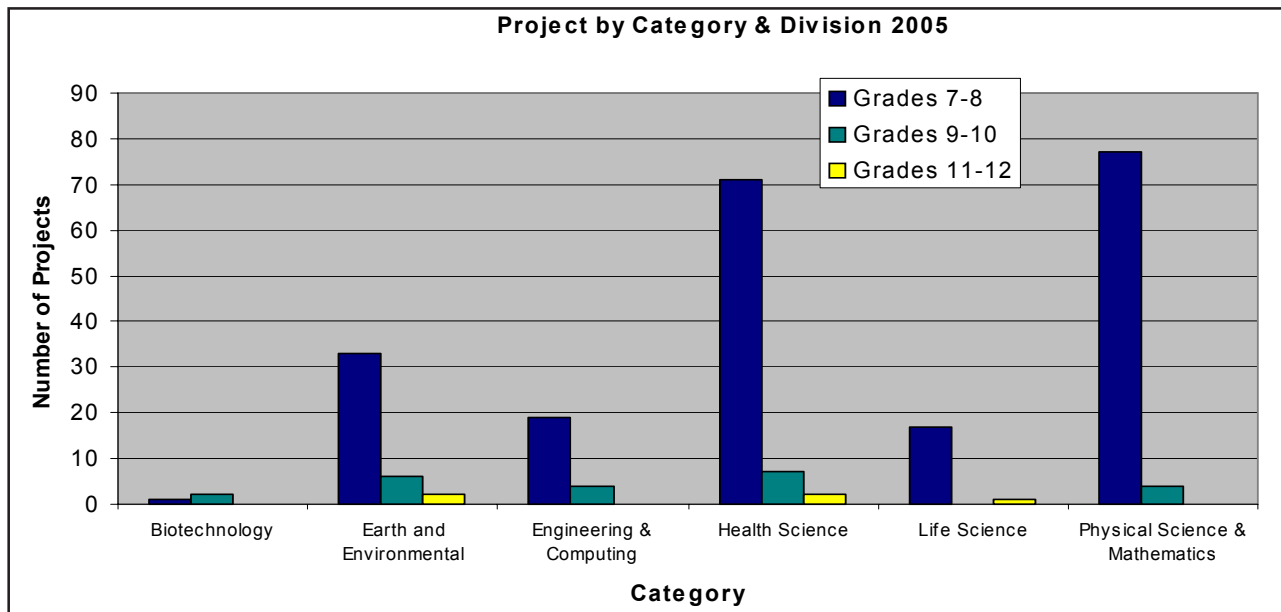
Notes:

- fiscal year end is August 31, 2005; annual review engagement financial reports available in January
- BASEF received donations of in kind services for advertising, printing, facility rental and web hosting
- student awards, recognition and activities were 79% of the total disbursements of \$ 92,504 (In addition to these disbursements to students, each participant received a goody bag with a retail value of \$200, and all medal winners (125 students) received entrance scholarships to either Mohawk or Sheridan College)
- total prize purse was over \$ 212,000 making BASEF the richest of any regional fair in Canada
- BASEF administers the cash awards donated by sponsors for Special Awards
- 20 BASEF students and 4 adult chaperones traveled to the Canada Wide Science Fair in Vancouver, B.C. in May 2005
- 4 BASEF students and 1 adult chaperone traveled to the Intel International Science and Engineering Fair in Phoenix, Arizona in May 2005
- 66 sponsors in total provided support for BASEF 2005 and we welcomed 14 new sponsors



Participation Highlights:

- 335 registered students in the Junior division (grades 7-8)
- 40 students in the Intermediate/Senior division (grades 9-12)
- highest number of schools for the past seven years
- slight decrease in the number of student participants due to limiting the number of projects each school was permitted to enter and strict adherence to registration deadline dates
- Physical Sciences & Mathematics and Health Sciences continued to be the most popular categories for student projects



Outreach and science fair promotion activities have resulted in an increase in the number of schools participating in BASEF. In the fall of 2005, BASEF will undertake a more extensive outreach program and is offering workshops for students, parents/adult mentors and teachers. The workshops will focus on how to use the BASEF developed Science Success! materials to assist students in how to start and complete a well designed science fair project. We continue to receive requests for the Science Success! materials both nationally and internationally. We are currently developing a companion online student workbook that will be more attractive and engaging for our budding young scientists.

Big Ideas. Infinite possibilities.

BASEF is only the beginning for many of our students.



Five BASEF students participated at the Intel International Science Fair in Phoenix, Arizona as members of Team Canada. Kayla Cornale was the top Canadian student at IISEF winning a coveted Intel Foundation Achievement Award, five additional special awards along with a Third Place Category award.

BASEF 2005 best in fair winner, Natalie Raso, continued to excel at both the international and national fairs winning a Third Place award at IISEF, and overall best in fair at CWSF. Natalie is the number one science fair student in Canada. After their IISEF awards, Kayla and Natalie are in

the top 10% in the world in their project categories. There were 18 students from across Canada who attended IISEF. Five of them were from BASEF confirming the fact that our students can compete with the best in the world.

Aaron Hakim and Jordan Bowman also won gold medals at CWSF, making them the top students in Junior Life Sciences and Intermediate Earth and Environmental.

BASEF students won more than \$36,000 and 17 awards at the Canada Wide Science Fair. For the second consecutive year, BASEF is the #1 Regional Fair team in Canada!



BASEF alumnus Anthony Chiarelli and David Hemler, President, Microsoft Canada Co.

The steganography work by BASEF alumnus Anthony Chiarelli was recognized in October 2005, by Microsoft Canada as part of their celebration of 20 years of Windows. Anthony's work was featured along side that of five software companies as well as Dell Canada and Hewlett-Packard. Anthony produced award winning projects for BASEF for three past years and went on to win awards at both the national and international level. Anthony explains that his work came to the attention of Microsoft through a contact he made at BASEF: "My science fair experiences have opened many doors for me and I will never forget that. The Microsoft event came about because of the YCMD (You can make a difference) contest I won. Mr. Daniel Shapiro (who I initially met at BASEF 2004) put forth my name to the Senior Product Manager of Microsoft."

BASEF 2005 Sponsors

BASEF gratefully acknowledges the generosity of all of our 2005 fair sponsors.

Title Sponsor: The Ontario Trillium Foundation

Diamond (\$10000+)

The Hamilton Spectator
Microsoft Canada
Sheridan College

Gold (\$2500+)

LifeTouch

Bronze (\$500+)

Agilent Technologies Canada; Burlington Pump; Comput-A-Sign; Discovery Ford; Golden Horseshoe Biosciences Network; Hamilton Regional Laboratory Medicine Program; HSBC Bank Canada; Investigative Science; John Deere Foundation; Knights of Columbus Council #7464; Leppert Business Systems; MDS Laboratory Services; Pioneer Hi-Bred; Process Control and Instrumentation; Rotary Club of Burlington; St. Volodymyr Cultural Centre

Platinum (\$5000+)

Bell Canada
Dofasco
Manulife Financial
McMaster University
Mohawk College
Primary Fluid Systems

Silver (\$1000+)

Boehringer Ingelheim Canada; Bruce Riddiough; City of Hamilton Economic Development; CMR Governance Consulting; Community Awareness Emergency Response Hamilton; Comstock Canada; Deloitte and Touche; 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; Optimist Club of Stoney Creek; SciTech Ontario; Seldon Griffin Graphics; Triple Crown Enterprises; Union Gas

and our many sponsors at the Friends level.