



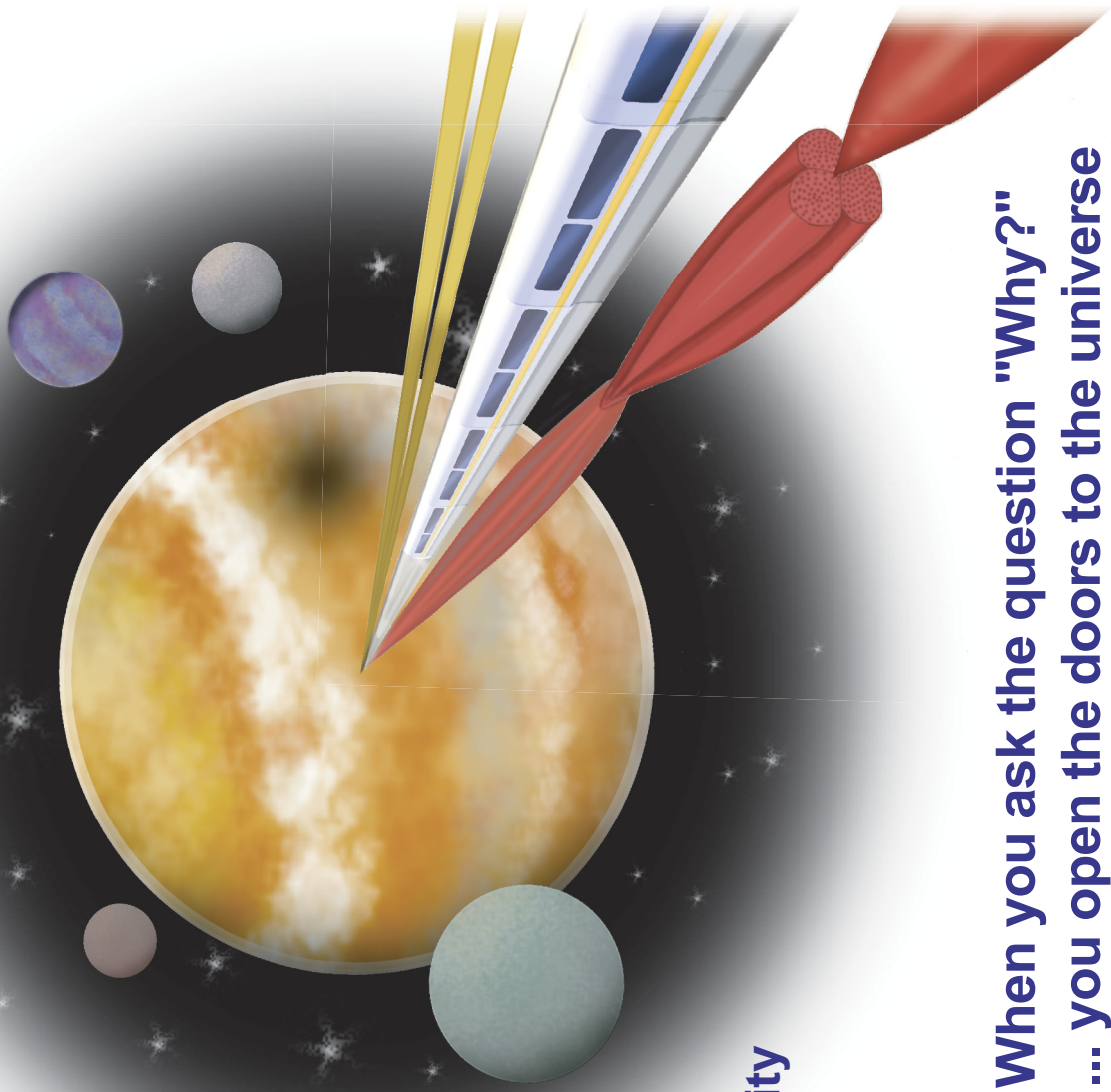
BASEF

OFFICIAL PROGRAM

BASEF 2005

Sheridan College Institute of
Technology and Advanced Learning
March 30 to April 2, 2005

45th Annual
Bay Area Science & Engineering Fair



BASEF 2006
McMaster University

**When you ask the question "Why?"
... you open the doors to the universe**

Bay Area Science & Engineering Fair
c/o McMaster University, JHE-A214
1280 Main St. W.
Hamilton, Ontario L8S 4L7

phone: (905) 974-7975 (Hamilton)
(905) 693-7076 (Oakville)

mail: basef@basef.ca

web site: basef.ca

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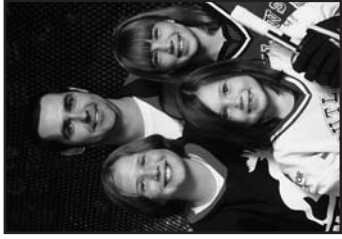
Arts and culture



Environment



Human and social services



Sports and recreation



**THE ONTARIO
TRILLIUM
FOUNDATION**



**LA FONDATION
TRILLIUM
DE L'ONTARIO**

Building healthy and vibrant communities

One student at a time

The Ontario Trillium Foundation is a proud supporter of the Bay Area Science and Engineering Fair (BASEF) 2005. We extend our best wishes to all participants.

The Ontario Trillium Foundation, an agency of the Ministry of Culture, is one of Canada's leading charitable grantmaking foundations. The Foundation builds healthy and vibrant communities throughout Ontario by strengthening volunteerism and investing in community-based initiatives.

Our grants have a wide and lasting impact in communities across Ontario. They provide critical support for organizations to build on their strengths, improve their capacity, develop new ideas and move forward.

We provide funding to eligible charitable and not-for-profit organizations in support of initiatives in the arts and culture, environment, human and social services and sports and recreation sectors.

Call us to discuss your ideas or visit our website for more information: 1.800.263.2887

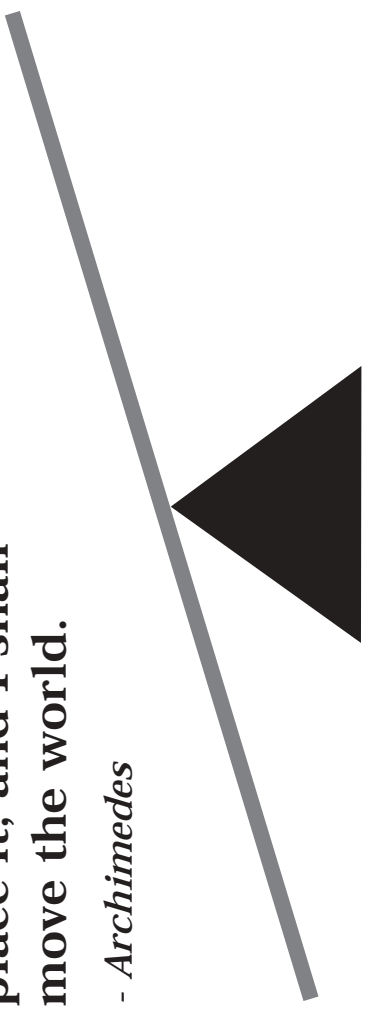
www.trilliumfoundation.org

The Ontario Trillium Foundation, an agency of the Ministry of Culture, receives annually \$100 million of government funding generated through Ontario's charity casino initiative.

The Hamilton Spectator Founding partner for 45 years

**Give me a lever
long enough and a
fulcrum on which to
place it, and I shall
move the world.**

- Archimedes



Congratulations to all BASEF participants.
Be innovative. Be creative. Make things move.
You are the future. We salute you!

THE HAMILTON SPECTATOR
— **Beyond Black and White** —

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Connect with the Future at Sheridan!

Sheridan Institute of Technology and Advanced Learning is pleased to welcome you to the 45th Annual Bay Area Science and Engineering Fair.



**BEST WISHES TO
ALL PARTICIPANTS!**

I CHOOSE.

 **Sheridan**
www.sheridaninstitute.ca

A MESSAGE FROM THE BASEF CHAIR



Sue Olynyk

This is the 45th consecutive year of operation for the Bay Area Science and Engineering Fair (BASEF). The faces and the names may have changed, but the mission remains the same: to encourage young people in science and engineering.

BASEF is a registered charity that is completely volunteer driven. I would like to acknowledge the tremendous efforts of this year's Organizing Committee members. They have met every month since September and have spent many more hours working individually on their own tasks. Many will have taken a week of holidays from their own full time jobs for this week of the Fair. No wonder BASEF is Canada's #1 Regional Science Fair. They are all amazing volunteers. Please thank them whenever you get the chance.

A very sincere thank-you to our Honourary Co-Chairs, Halton Region Chairman Joyce Savoline and Hamilton Mayor Larry Di Ianni who continue to support our cause and promote our students whenever they get the opportunity to do so.

A special thank-you is given to the over 200 professionals who served as this year's Merit and Special Awards Judges. These dedicated individuals devoted a full day of their time to meet, encourage and speak with the student exhibitors about their projects.

We are extremely proud to say that the Ontario Trillium Foundation has returned as BASEF's title sponsor for a fourth consecutive year. This year Trillium funding will be used to enhance delivery of project-based science on the BASEF website and for outreach in Halton. I would also like to thank the 10 new sponsors and over 40 returning sponsors who make it possible for BASEF's students to excel in science and engineering. Please support our sponsors wherever possible. Thank you also to our Special Awards donors. This year the total value of merit, special, and participation awards, scholarships and trip awards is expected to top \$175,000.

Every year the host site for BASEF plays a critical role in our success. I must extend a very special thank you to the staff at Sheridan College Institute of Technology and Advanced Learning. It has taken the better part of a year to plan and stage BASEF 2005. Sheridan has made every step of the journey easier and for this we are truly grateful.

Last but certainly not least, I thank the day-to-day volunteers, nearly 100 in total, who help us with duties such as project registration, safety checks and chaperoning Activity Day that occur over the four days of the Fair.

Students, (along with your parents, teachers and mentors) please recognize and enjoy the results of your hard work. Meet new friends, share your results and above all, capture the passion that will lead you to new research and discoveries of tomorrow. This small planet, Earth, which we call home, is counting on you. I congratulate you all on a job well done and wish you all the best of luck.

Sue Olynyk, P.Eng
Chairman, BASEF 2005

A MESSAGE FROM HONOURARY CO-CHAIR

Joyce Savoline



It is my pleasure to once again, support the work of the Bay Area Science and Engineering Fair (BASEF) in my capacity as Honourary Co-Chair. As an elected official, I believe that government has a commitment to nurture learning in our youth and capitalize on opportunities that support technological education.

Today's youth are tomorrow's leaders and what better place to cultivate a love for learning, ingenuity and design than through a recognized, successful program such as the BASEF!

I offer my congratulations to those students who entered a submission; accolades to both the teachers and parents of participants for encouraging their children and of course, my thanks to the group of dedicated volunteers without whom, this event would not be possible.

Sincerely,

Joyce Savoline
Regional Chairman, Halton



How Halton Region supports the next generation of Innovators:

- **The Halton Business Plan Competition** (students interested in improving their business skills can develop their own business plan and win cash awards!)
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- **Exporting Assistance Programs**
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Halton Region is committed to supporting and encouraging youth interest in science and technology. A well-educated, well-trained and motivated labour force in this community ensures that employers will continue to view Halton as an attractive place to live, work and do business.

Halton Region Business Development Centre
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Tel: 905-825-6000 Toll free: 1-866-4HALTON Fax: 905-825-8839
www.haltonbusiness.com
busdev@region.halton.on.ca





A MESSAGE FROM HONOURARY CO-CHAIR

Larry Di Ianni

It is my pleasure, on behalf of the City of Hamilton, to welcome you to the annual Bay Area Science and Engineering Fair (BASEF).

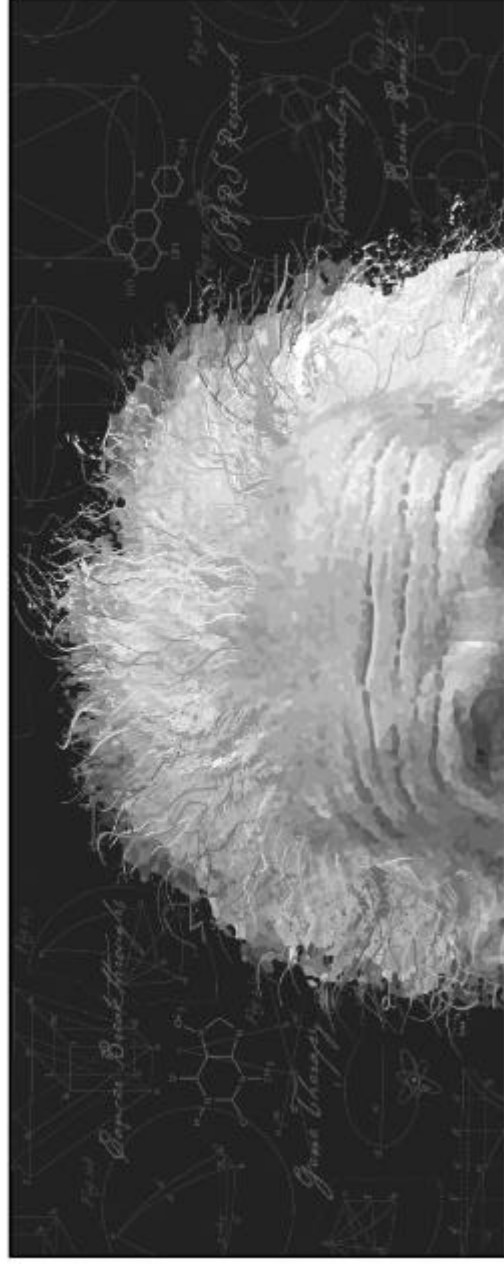
It is a privilege for me to have the opportunity to act as Honorary Co-chair and I take pride in a community that encourages students to strive for excellence in all their endeavours.

I wish to acknowledge the hard work and commitment of the students, the organizers, and the volunteers who have allowed us the chance to witness the achievements of today's youth and tomorrow's innovators who will undoubtedly become the contributors, the innovators of our future.

To our students, you are all winners. Your commitment and dedication to science and engineering is to be commended.

Sincerely,

Larry Di Ianni
Mayor, Hamilton



Bright Minds Come to Hamilton



McMaster University and the City of Hamilton are working hard to attract and keep some of the world's brightest minds right here in Hamilton. In collaboration with our partner hospitals, we are exploring ways to create a new economic future based on biosciences. Biotechnology and biosciences hold enormous promise for economic and social benefits. By building on our research strengths and leveraging our intellectual, human and capital resources, we will create a globally competitive biotechnology industry in this part of the world. Hamilton and McMaster – partnering to ensure a healthier future for our community.



Hamilton

For more information contact: **McMaster University** • 905-525-9140 ext. 27270 • www.mcmaster.ca **City of Hamilton** 905-546-4222 • www.hamilton.ca

SCHEDULE OF EVENTS

Sheridan College Institute of Technology and Advanced Learning, Trafalgar Campus

Wednesday, March 30 **Project Setup**

- 4:00 p.m. On-site Registration, Project Setup, Safety Check, ID cards photography begins; Athletics Centre Gymnasium.
- 8:00 p.m. Registration closes.

Thursday, March 31 **Judging Day**

- 8:00 a.m. Judges begin arriving at the Lower Cafeteria, B Wing
- 8:30 a.m. Judges' welcome and assignment of projects
- 9:00 a.m. Judges Move to Athletics Centre,
Begin preliminary judging without students present
- 11:45 a.m. Start of Judges' Luncheon
- 1:00 p.m. Students arrive for afternoon judging and interviews
- 4:00 p.m. Afternoon judging with students complete
- 4:30 p.m. Reporting of all judging scores, and issues resolution, complete.

Friday, April 1

Activity Day

- 8:00 a.m. Students arrive at "The SCAET Building" lobby, S Wing
Use Ceremonial Rd. entrance off Trafalgar Rd.
- 8:45 a.m. Buses begin loading for departure to Ontario Place
- 12:00 noon Lunch at Ontario Place; **Students to provide own bagged lunch**
- 3:30 p.m. Arrive back to Sheridan College; SCAET Building;
to 4:30 p.m. Parental pick-up begins; Hamilton Shuttle buses load/depart.

Saturday, April 2 **Public Viewing and Awards Ceremony**

- 9:00 a.m. Sheridan College Gym opens for Public Viewing. All students to be present.
- 11:30 a.m. VIP Luncheon (by invitation), Lower Cafeteria, B Wing
- 12:00 noon End of Public viewing. Gym closed until after Awards Ceremony.
- 12:30 pm Shuttle buses begin departing for St. Volodymyr Cultural Centre
1:00m. St. Volodymyr Hall doors open; Sheridan Gym remains closed
- 1:30 p.m. Start of Awards Ceremony
- 3:30 p.m. End of Awards Ceremony. Shuttle buses begin departing for return to Sheridan Athletics Centre. Projects may now be removed from the Display Area of the Gym.
- 4:00 p.m. Meeting for Trip Award Winners, their parents, chaperones, delegates, in the Gym. (Note: It is important that winning students and their projects be available for this meeting).

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email admissions@mohawkcollege.ca



...vision like a hawk



A Beginner's Guide to BASEF

The fair takes place over a period of four days in late March/early April of every year. On line student registration starts in February and closes approximately 3 weeks before the fair. This allows the fair organizers enough time to ensure that projects meet safety and ethical guidelines and are assigned to the correct division, the registration documents are complete and the Fair Program accurately reflects all exhibitor information.

Fair Schedule:

Project Set Up/Safety Checks: Wednesday- 4:00 pm – 8:00 pm
Judging without students present: Thursday- 8:00 am –noon
Judging with students present: Thursday- 1:00 pm – 4:00 pm
Activity Day: Friday- 8:00 am – 4:00 pm (free of charge)

Public Viewing: Saturday- 9:00 am – noon
Awards Ceremony: Saturday- 1:30-3:30 pm
Project Take Down: Saturday- 3:30 pm
(After the Awards Ceremony only!)

Levels and Divisions

Students compete for **Merit Awards** within 3 separate grade levels and in one of the six project divisions.

Levels (three):

Junior: Grades 7-8
 Intermediate: 9-10
 Senior: 11-12

Divisions (six):

Biotechnology; Earth & Environmental Sciences; Engineering & Computing Sciences; Health Sciences (Human); Life Sciences (Non human); Physical & Mathematical Sciences
(A flow chart on the BASEF web site is designed to help you determine the division of your project.)

Teams:

Students may compete individually or as a two member maximum team. Team members must be in the same level.

Merit Awards

Merit Awards recognize the tremendous amount of research and effort that has gone into the projects entered at BASEF. All projects are judged by a minimum of three independent judges. Gold, silver and bronze medals and honorable mention certificates (along with cash awards) are awarded in **each** division of **each** level based on the following scoring:

Gold: over 90% and in top 7.5% of division

Silver: over 80% and in next 10% of division

Bronze: over 75% and next 12.5% of division

Honourable Mention: over 75% and not in the top 30% of division
 At BASEF 2004, 6 projects won Gold, 32 Silver and 71 Bronze.

Special Awards

Special Awards are donated by organizations and groups to recognize deserving projects that deal with topics of interest to the donor. At BASEF 2004, over \$14,500 was awarded to 154 deserving students.

plaque for display at their school.

Herb Gildea Trophy is awarded to the high school accumulating the most points from the number of entries and merit awards won.

BASEF Committee Trophy is awarded to the elementary school accumulating the most points.

Grand Prize Trip Awards

Grand Awards are given to the top projects in the fair, based on merit award scores. The Grand Trip Awards are all expenses paid trips to the national and international science fairs. Chaperones from BASEF accompany our students and students advancing to these prestigious competitions are provided with additional mentoring. All students are eligible to win a place on Team BASEF and go on to compete at the Canada Wide Science Fair (CWSF). We have sent our maximum of twenty students for the past few years. High school students are eligible to win trips to the Intel International Science and Engineering Fair (IISEF), held in the United States. Our maximum number is three projects, consisting of two single projects and one team project.

Grand Prize Awards

Best-in-Fair Pinnacle awards are presented to the top three projects in the fair, based on Merit award scores. Each winner receives an engraved plaque and a trophy for display at their school.

Roy Middleton Award is given to the best Junior level project.

Pfizer Canada Award of Excellence is given to the top project in the fair that is advancing to CWSF. The winner receives a medal of excellence and a

Merit Award Judging Criteria

Projects are judged out of a total score of 100, broken down into five sections. The sections are weighted as follows:

Scientific Thought & Creativity: 45%

Project Display: 10%

Abstract: 5%

Notebook: 20%

Interview: 20%

The judging forms and criteria are available on the BASEF website at:

http://basef.ca/2005/judges/#judging_form
 Our Gold medalists (scoring over 90%) enter projects that are well designed from inception to completion. The research and experimentation is complete, the work is well documented in their notebooks, and their displays are an attractive summary of their complete project. They are knowledgeable about their work and are able to enthusiastically explain it to judges because they practice their presentations and prepare for the interviews.

Project Resources

The "Science Success!" student and teacher materials are available for download at www.basef.ca and include an extensive reference list. Additional recommended sites: www.sciencebuddies.org www.hallbar.com/sciencecenter.html

The “Parent Pages”(or How to Survive Science Fair!)

Congratulations on your wise decision to allow your child to participate in BASEF 2005!

For many students, it is the first time they are rewarded for their academic endeavours. Make no mistake, all student participants are rewarded with an enriching experience and a certificate of participation, not to mention the opportunity to meet and speak with other top students, and the official BASEF goody bag. One parent noted that the students are treated like attendees at a convention.

Many students and parents view science fair projects as a dreaded, compulsory school assignment and have no idea of the available rewards for successful science fair participants. BASEF 2005 will offer cash, prizes and trip awards totaling to up \$165,000: almost \$15,000 in Special Awards, \$8000 in Merit Awards, the Grand Prize Trip Awards to the Canada Wide and International Science Fairs (up to \$55,000) and entrance scholarships to Mohawk or Sheridan Colleges for every medal winner!

Location of Events:

Note: All science fair activities are planned to take place at Sheridan College with the exception of the “Activity Day Tour” on Friday and the Awards Ceremony on Saturday. Students who have signed up for the Activity Day event will meet at the SCAET Lobby at Sheridan College and transportation will be provided to and from Ontario Place. Any changes or revisions to the plan will be posted on the BASEF website and will be announced at the fair. The Award Ceremony will take place at the St. Volodymyr Cultural Centre on Highway 5, west of Trafalgar Road. Shuttle buses will be provided to transport students and guests from Sheridan College to St. Volodymyr and back to Sheridan College at the end of the Ceremony. **Parking and Science Fair Location at Sheridan College:**
There will be signs posted daily, directing you to science fair events and designated parking areas. Parking is free for BASEF 2005.

Day by Day: Parent Responsibilities

Day 1: Project set up for the fair occurs on **Wednesday, March 30, 2005 from 4:00 pm – 8:00 at Sheridan College**. Your child will visit a registration desk and find out their assigned display area in the gym. They will also visit the Activity Day desk and have their photographs taken for ID badges. After the project is set up, one of our many safety inspectors will ensure that the project meets all safety guidelines. **Students cannot leave until they have been safety checked and passed.** The registration process and project set up usually takes less than an hour. **Be sure that all of the safety rules and regulations regarding project size, display materials and ethical guidelines with respect to human and animal testing have been followed. Complete details are available on the official website: basef.ca/2005**

Day 2: Judging - Students are required to be at their projects for **judging on Thursday, March 31, 2005 from 1:00 pm – 4:00 pm. Parents and teachers will NOT be allowed onto the Judging Floor this day**

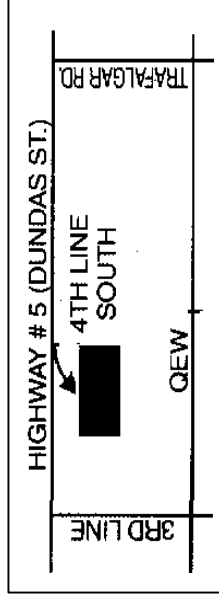
Day 3: Activity Day, Friday, April 1, 2005, 8:00 am – 4:00 pm
Students must be dropped off and signed in by a parent or designated guardian, for participation in Activity Day. Parents/guardians are asked to park and walk the students into the SCAET Lobby for sign in. Students are reminded to pack a bagged lunch. Students will not be permitted to leave the SCAET lobby at the end of Activity Day without being signed out by a parent or designated guardian.

Day 4: Public Viewing and Awards Ceremony

We ask that your children be at their projects for Public Viewing at Sheridan College which takes place from **9:00 am - 12:00 pm on Saturday, April 2, 2005**. There will be a break for lunch from 12 noon until 1:00 pm. There will be some food service available in the cafeteria, or you just may want to bring your lunch. This is followed by the Awards Ceremony at St. Volodymyr Cultural Centre from **1:30 pm to 3:30 pm**.

Buses will be provided to transport students and guests to the Awards Ceremony and return them to Sheridan College at the end of the Awards Ceremony. **Students may not remove their projects from the gymnasium until after the Awards Ceremony.**

St. Volodymyr is located at 1280 Dundas Street West, Oakville, west of Trafalgar Road, between Third and Fourth Line.



We strongly recommend that you attend the public viewing with your child. It will give you an opportunity to view all of the great projects on display, and to see your own child doing presentations for visitors.

The Awards Ceremony is the culmination of the Fair and where the hard work of our students is recognized. Project take down occurs after the Awards Ceremony because many of our participants are photographed and interviewed by the press in front of their award winning projects.

Note: Our trip award winners and a parent are required to attend a mandatory information meeting (approximately one hour in length), in the gymnasium, immediately after the Awards Ceremony (approximately 4:00 – 5:00 pm).

Miscellaneous Information:

Dress code: We suggest neat and casual, with the emphasis on neat.

Busing from Hamilton: If busing is being provided, those students involved will already have been contacted. If there are additional questions, **PLEASE ENQUIRE AT THE REGISTRATION DESK FOR MORE INFORMATION ON Hamilton BUSES.**

Food Allergies and Medical Issues: We ask that you remind the BASEF staff at the Registration Desk and throughout the fair, of any food allergies or special medical issues that pertain to your children.



There! Wasn't that easy! Congratulations to you and your young scientists and engineers!

Be sure to visit the BASEF website (basef.ca) throughout the year. Newsletters, available for download, are published 3 – 4 times per year and contain articles and pictures about fair participants, resource materials and important information about the next fair.

There is also a Parent Section on the website, with an article entitled: "Project Basics for the Bewildered Parent.....help, I'm not a scientist!"

Science Success! Workshops

BASEF will be offering a series of free workshops on "How to Prepare a Science Fair Project"

for students, parents, adult mentors and teachers in the fall of 2005. Visit our website in September, 2005 for details.

EMERGENCY SAFETY AND SECURITY PROCEDURES

The following emergency procedures and personal safety tips apply to Sheridan's Trafalgar Campus. Please review and familiarize yourself with them so you know how to respond quickly and appropriately in the event of an emergency.

IN CASE OF FIRE

1. If the Fire Alarm sounds move quickly and calmly to the nearest exit and **"VACATE THE BUILDING"**. *In some building the alarm is a pulsed sound like a loud car alarm and in others it is bells. Be aware that either sound is the Fire Alarm.*

IF YOU DISCOVER A FIRE

1. Leave the fire area immediately assisting with the evacuation of the occupants where applicable. Close the doors to the area behind you.
2. Activate the building fire alarm system using the closest fire alarm pull station as you leave the fire area.
3. Once outside move at least 50 ft. away from the building.
4. Do not return to the building until it is declared safe to do so by the Fire Department.

PERSONAL SAFETY

Emergency Intercoms and Phones

In addition to regular College telephones there are three types of emergency phones or intercoms for contacting Security directly should you require assistance.

- 1) Yellow Emergency phones: These are located in the hallways throughout the College. Press the button to speak directly to a Security Officer.
- 2) Bell pay phones: Can be used to call 911 without charge
- 3) Outside Emergency Intercoms: These are recognizable by a blue light. Press the red button to speak directly to a Security Officer.

Emergency Directory

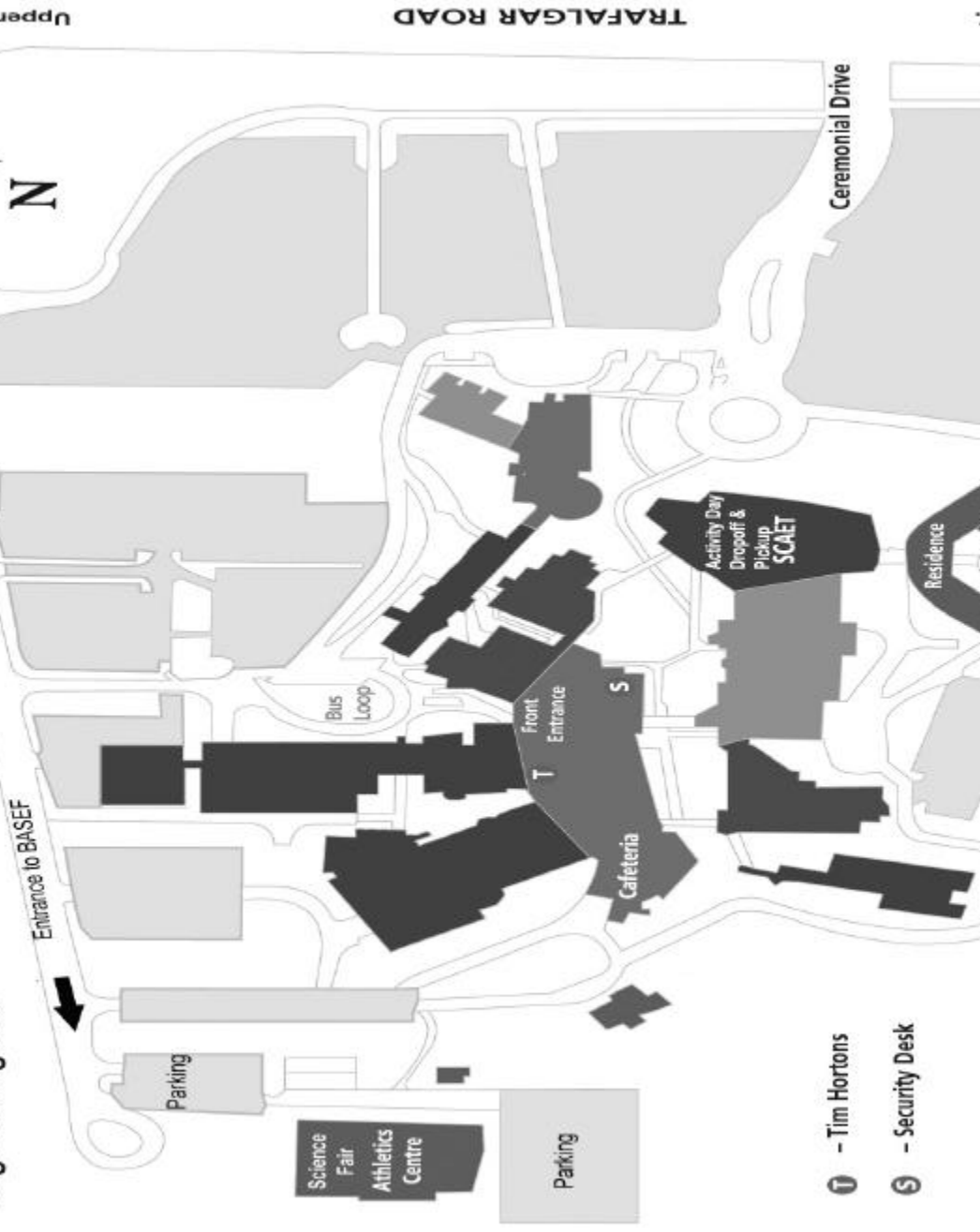
Emergency Situations

Police/Fire/Ambulance-----Dial 9-911 on College Phones or 911 on Bell pay Phones
Main Security Desk-----Dial 4044 on College phones
Main Security Desk-----Press the *Emergency* button on Yellow emergency phones

Non-Emergency Situations

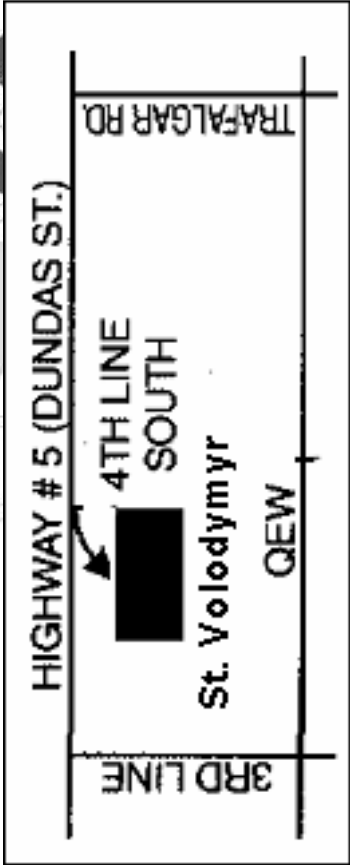
Main Security Desk-----Dial 4044 on College phones
Main Security Desk-----Dial 905-815-4044 on other phones

Sheridan
2005 Bay Area
Science and
Engineering Fair



- T** - Tim Hortons
- S** - Security Desk

Awards Ceremony
 Saturday April 2, 2005
 St. Volodymyr Cultural Centre
 1280 Dundas Street West,
 Oakville
 (located off Highway 5, west
 of Trafalgar Road, between



Connect with the future

at the Sheridan Centre for Advanced Manufacturing and Design Technologies

Opening September 2005!

This fall, Sheridan will open the doors of its new Centre for Advanced Manufacturing and Design Technologies at the Davis Campus in Brampton.

The Centre will offer new postsecondary and post-graduate programs designed to connect you with the exciting future of advanced manufacturing:

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(Three years)
- **Computer Engineering Technology**
Ontario College Advanced Diploma
(Three years)
- **Integrated Manufacturing Systems**
Ontario College Graduate Certificate
(One year)
- **Manufacturing Management**
Ontario College Graduate Certificate
(One year)
- **Solid Modeling**
Ontario College Graduate Certificate
(One year)

For more information contact:

Gary Closson
Dean, Applied Computing and Engineering Sciences
Sheridan Institute of Technology and Advanced Learning

905-845-9430 extension 2500
e-mail: gary.closson@sheridaninstitute.ca

or visit our website :
<http://camdt.sheridaninstitute.ca>

I CHOOSE.  **Sheridan**



Connect with the future

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 Bonnie Grant
 Jassie Grewal
 Alicia Griff
 Jim Hamilton
 Rebecca Hartlen

Susan Hearst
 Brahim Hooseim
 Dave Howard
 Elaine Irwin
 Samira Jaffer
 Lisa Kovac
 Mike Landkroon
 Tony Legault
 Alex Luyckx
 Helen McKay
 Renata Miklavcic
 Brian Mirnaji
 Neil Manmohan
 Donna Newberry
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 Evelyn Olson
 Peggy Patton
 Carina Pereira
 Tina Proussnon
 Susan Radice
 Nelson Ruiz
 Barbara Russer
 Stephanie Rybczynski

Aline Schofield
 Jake Seigel
 Steve St. Onge
 Chris Stearns
 Erika Stearns
 Rosemary Stearns
 Joe Szpak
 Hong Taejeon
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The Halton District School Board

***would like to congratulate
 all participating students in the 2005
 Bay Area Science and Engineering Fair.
 Best wishes for continued success!***

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The BASEF Project

Bay Area Science and Engineering Fair

BASEF 2005

Background

- ◆ one of the largest and longest running science fairs in Canada
- ◆ for all students in grades 7-12 from Hamilton, Halton, Brant, Haldimand and Norfolk
- ◆ BASEF is a registered charity and relies entirely on sponsors and volunteers

Purpose

To encourage youth in science, engineering and technology by:

- ◆ Organizing and staging an annual fair
- ◆ Offering Outreach activities to promote “Project Based Science”
- ◆ Promoting BASEF to any and all captive audiences

Hypothesis

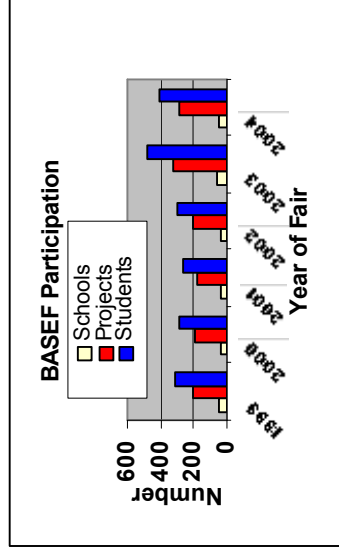
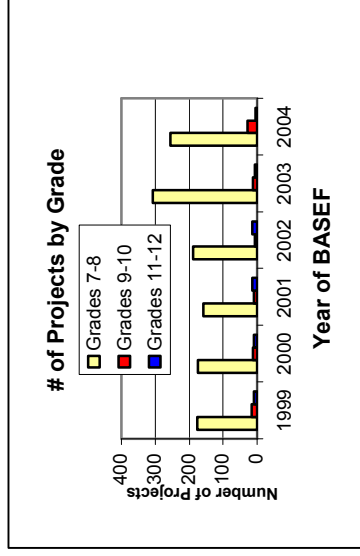
Students gain valuable academic and life skills.

Students compete for thousands of dollars in cash, scholarships and awards, including all expense paid trips to the national and international science fairs.

Materials

1. Dedicated teachers
2. Motivated students
3. Supportive parents
4. Enthusiastic volunteers
5. Generous sponsors

Observations



Results



Team BASEF 2004, St. John's, Newfoundland
The #1 Regional Team in Canada!



BASEF students at Intel ISEF 2004, Portland, Oregon, with fellow Team Canada members.

Conclusions

- ◆ 400 students from 52 schools with 288 amazing projects
- ◆ over \$ 165,000 in awards were shared by almost 200 students
- ◆ BASEF was the #1 Regional fair team at CWSF 2004
- ◆ 24 BASEF students won Grand Trip Awards

Our students are going places!

Discussion

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” skills and gain self confidence and a sense of accomplishment for a job well done.

**Get involved!
It's your future.**

**BASEF 2005
Sheridan College
March 30th – April 2nd**

Acknowledgements

BASEF is only made possible through the continuing support of our teachers, students, parents, volunteers and sponsors.

Visit our web site:

basef.ca

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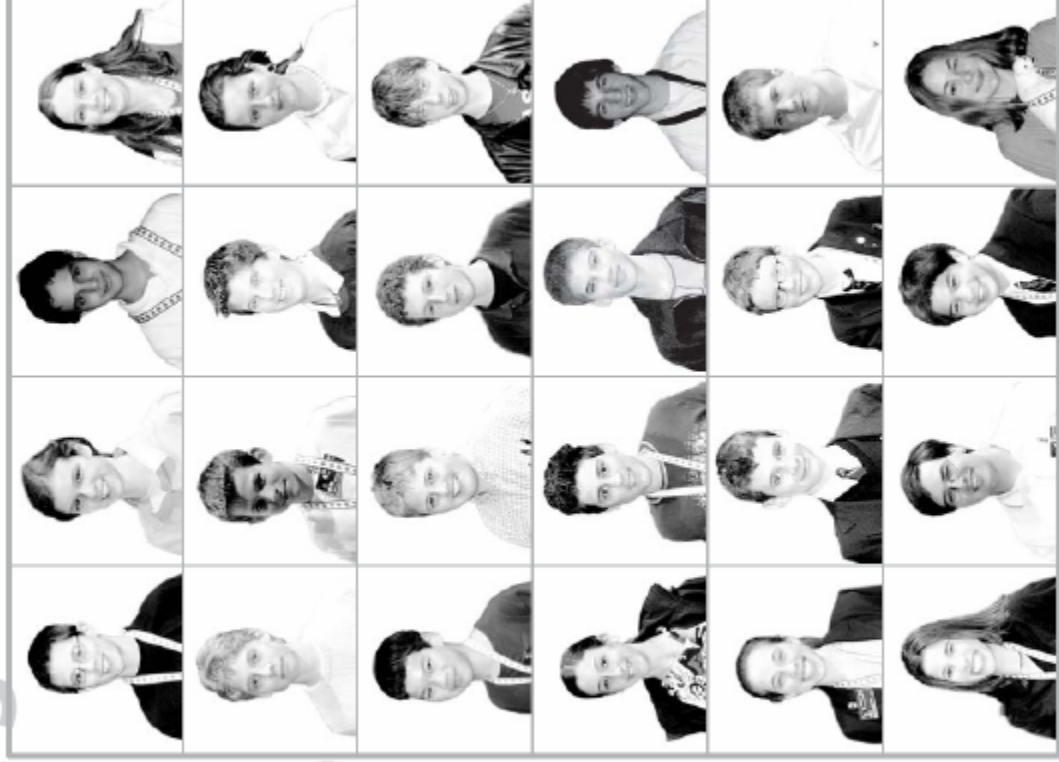
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BASEF 2004 Trip Award Winners

Thanks to our sponsors
we're going places!



The BASEF Students and Volunteers gratefully
acknowledge the support of all of our sponsors



ACTIVITY DAY Friday, April 1, 2005 8:00 a.m. – 3:30 p.m.

As another incentive, we offer all of our participants an Activity Day event. Activity day was established as a reward for our hardworking, budding scientists and engineers. Students have the opportunity to relax after the stresses of judging day, meet other students interested in science and technology, and take part in some fun and educational events.



The format of activity day is changing to better accommodate the growing number of participants. This year we will be offering one event for all students. We have selected the Cinesphere IMAX education series at Ontario Place for Activity Day 2005. In addition to the big screen learning experience that Cinesphere provides, students will participate in a spectacular interactive science show, presented by Mad Science. Activity Day is free and includes transportation and all admission and program fees. Students must provide their own bag lunch.



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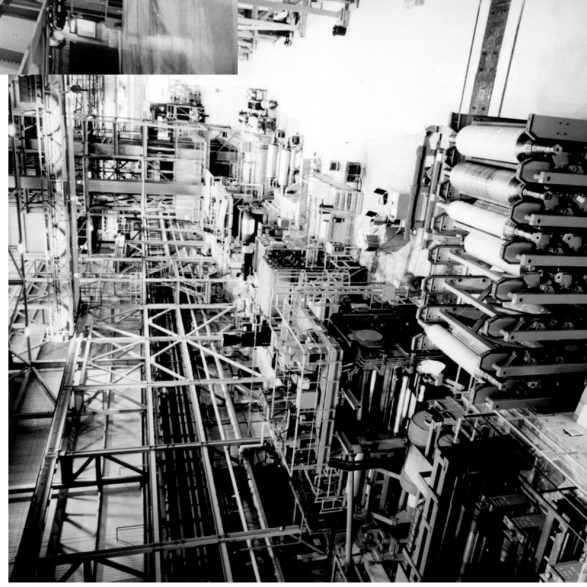
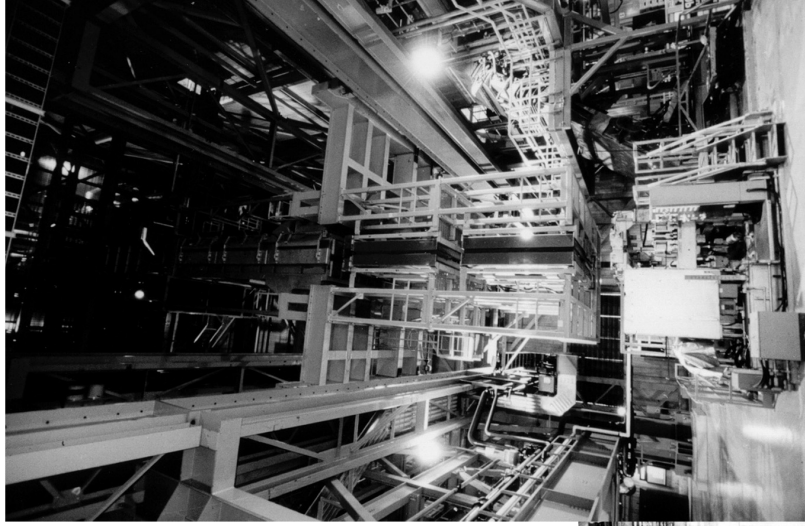
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Arnold, Rhodes Sheridan College (retired)	Hearst, Susan Securitas Canada	Legault, Tony	Nelson, Brian Dofasco Inc.
Baker, Sarah Bortolotto, Joanne	Holm, Hayley	Lenius, Victor J. Retired	Netcheva, Stoyka Environment Canada
Brown, Dr. I. David McMaster U (retired)	Hoolboom, Gerry retired; Westinghouse	Lightfoot, Scott Self Employed	Niro, Gino EngOL Inc.
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Chiasson, Gerard Mysys Limited	Italiano, Gizelle retired teacher	MacDougall, Stephen HDSB	Ormond, Peter ICLEI Canada
Christie, David	Jackson, Kristina Hamilton Health Sciences	Mandy, Tom Mancom Manufacturing Inc.	Orton, Geoff HDSB
Clark, Shannon Dofasco Inc	Jaeger, Heinz Retired	Manmohan, Neil ASECO Integrated Systems Ltd.	Ouwehand, Anna HDSB
Collins, Dianne Dofasco Inc.	Jajou, Fourat	Maxymuik, Peter Self Employed	Pacey, Laura McMaster University
Crawford, Monica Mohawk College	Jefferson, Mike retired teacher	McNair, Eric retired teacher	Parris, David Dofasco Inc.
Curran, Alex Retired	Johnson, Ross Hatch Ltd.	McNally, Mike C&M McNally Engineering Corp.	Passmore, Fred C. Retired
Di Carlo, Andre	Johnson, Warren retired teacher	Meehan, Nancy L. Hamilton Wentworth Occasional Teacher Local	Pettingill, Tom Sheridan College (retired)
Easton, Carl Retired	Jonasson, Peter McMaster University	Mejia, Diego Hamilton Police Service	Pfeiffer, Leanna Hamilton Health Sciences
Ellithorn, Trixie (Karen) Medical Technologist (retired)	Kar, Pradipta Dofasco Inc.	Michalopoulos, Olga Georgetown DHS	Pilmoor, Geoff Sims Moelich Associates Ltd.
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Garrett, Jim McMaster University	Lange, Dirk University of Western Ontario	Morin, Shane Xerox	Reid, Ian Dofasco Inc.
Giancarlo, Luciano retired principal	Leach, Jane Dofasco Inc.	Muser, Oscar Paul Self Employed	Reilly, Jim McMaster University
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Sebastiampillai, Uma
Region of Halton/ Consultant

Shanishchara, Ketan
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Shepard, Beverly
McMaster University Medical
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Singh, Multani Aninder Pal

Smith, Lisa
St. Lawrence Cement

Stack-Durward, Donna
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Stavert, George Laing
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Stead, Shelley
McMaster University

Stefanchuk, Brian
Mohawk College

Stevens, Jo-Anne G.
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Stogianens, Diane E.
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Strack, Maria
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Stratford, Graham
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Swanson, Gord
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Barbara Wallace, Lisa Matheson

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Tom Crawford

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Blair Maccuish

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Peter Child

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Dave Tyndall, Jackson Wiegman

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Mohawk- College, Faculty of Engineering Technology
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Mohawk College Mathematics Award
Gillian Leek, John Kezys

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**Congratulations and best
Wishes for continued
Success to all participants
at BASEF 2005**



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**Congratulations
and good luck
to all BASEF 2005
participants!**

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EXHIBITOR INDEX

<u>Agro, Matthew</u>	<u>B06</u>	<u>Biasetti, Lauren</u>	<u>C20</u>	<u>Chittenden, Craig</u>	<u>Q04</u>	<u>Dunton, Caroline</u>	<u>J02</u>
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<u>Arpino, Valerie</u>	<u>E01</u>	<u>Borsellino, Joey</u>	<u>F15</u>	<u>Collins, Stephanie</u>	<u>Q08</u>	<u>Fleming, Samantha</u>	<u>H13</u>
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<u>Battaglia, Erica</u>	<u>B14</u>	<u>Carubba, Aaron</u>	<u>E02</u>	<u>Dickin, Paul</u>	<u>H15</u>	<u>Gamez, Camilo</u>	<u>Q03</u>
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<u>Hasey, Emily</u>	<u>D04</u>	<u>Kaur, Manmeet</u>	<u>P05</u>	<u>Kurchik, Madison</u>	<u>F09</u>	<u>Lloyd, Clara</u>	<u>I11</u>
<u>Hatoski, Samantha</u>	<u>G04</u>	<u>Kay, Julia</u>	<u>E15</u>	<u>Lagrotteria, Alisa</u>	<u>I17</u>	<u>Lok, Yiyong</u>	<u>N13</u>
<u>Horvat, Danielle</u>	<u>B08</u>	<u>Keating, Alexander</u>	<u>E10</u>	<u>Lai, Jesse</u>	<u>J04</u>	<u>Long, Steven</u>	<u>G11</u>
<u>Hull, Brett</u>	<u>P09</u>	<u>Kemp, Natalie</u>	<u>Q07</u>	<u>Lancaster, Michael</u>	<u>G02</u>	<u>Love, Brandon</u>	<u>N16</u>
<u>Hume, Alex</u>	<u>J13</u>	<u>Khosla, Nicole</u>	<u>A15</u>	<u>Langlois, Deanna</u>	<u>A07</u>	<u>Lukenda, Nikola</u>	<u>P06</u>

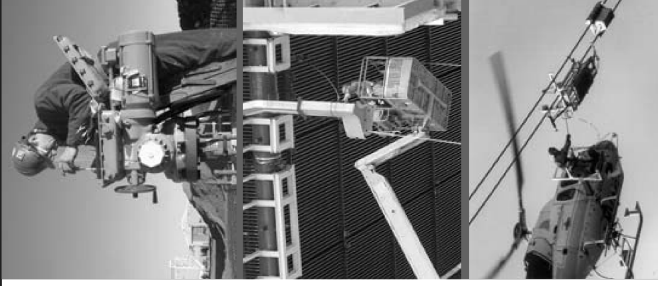
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EXHIBITOR INDEX continued...

<u>Luitschik, Amanda</u>	<u>F09</u>	<u>Martinac, David</u>	<u>E05</u>	<u>Mena, Diana</u>	<u>B19</u>	<u>Nichol, Pauline</u>	<u>C20</u>
<u>Lyttle, Hilary</u>	<u>G17</u>	<u>Masini, Brandon</u>	<u>A18</u>	<u>Merryn, Maynard</u>	<u>Q01</u>	<u>Nicholson, Sarah</u>	<u>A16</u>
<u>Macaluso, Sarah</u>	<u>D08</u>	<u>Mathews, Calum</u>	<u>J05</u>	<u>Merulla, Alexa</u>	<u>E11</u>	<u>Nowakowski, Jesse</u>	<u>G20</u>
<u>MacCauley, Christine</u>	<u>C03</u>	<u>Matic, Karlo</u>	<u>H10</u>	<u>Michalski, Natalie</u>	<u>F07</u>	<u>O'Grady, M.J.</u>	<u>A08</u>
<u>MacCauley, Peter</u>	<u>N09</u>	<u>Mattina, Gabriella</u>	<u>C10</u>	<u>Michaud, Sam</u>	<u>A11</u>	<u>Oliveira, Christina</u>	<u>C17</u>
<u>MacDonald, Iain</u>	<u>F10</u>	<u>McDonald, Alexandra</u>	<u>D17</u>	<u>Mickus, Julia</u>	<u>I09</u>	<u>Pacheco, John Cesare</u>	<u>B11</u>
<u>MacDonald, Jennifer</u>	<u>A19</u>	<u>McDonald, Cam</u>	<u>N12</u>	<u>Mills, Brian</u>	<u>G15</u>	<u>Pacheco, Kelly</u>	<u>G01</u>
<u>Macdonald, Lauren</u>	<u>A07</u>	<u>McMillan, Patrick</u>	<u>J04</u>	<u>Mitchell, Kayla</u>	<u>G04</u>	<u>Palozzi, Meghan</u>	<u>A10</u>
<u>Mahon, Shaelyn</u>	<u>C07</u>	<u>McMillan, Will</u>	<u>I18</u>	<u>Moffatt, Sara</u>	<u>B17</u>	<u>Pearman, Sarah</u>	<u>E06</u>
<u>Maingot, Matt</u>	<u>A05</u>	<u>McQueen, Andrea</u>	<u>I13</u>	<u>Molloy, Alexander</u>	<u>N14</u>	<u>Pearson, Stuart</u>	<u>A04</u>
<u>Malczuk, Matthew</u>	<u>A15</u>	<u>McSweeney, Melanie</u>	<u>C08</u>	<u>Moore, Kaitlyn</u>	<u>F13</u>	<u>Penney, Jessica</u>	<u>F06</u>
<u>Mancini, Daniel</u>	<u>P04</u>	<u>McTavish, Spencer</u>	<u>N08</u>	<u>Morris, Sari</u>	<u>G14</u>	<u>Pereira, Nick</u>	<u>G20</u>
<u>Martin, Madeleine</u>	<u>B04</u>	<u>Mehta, Gayatri</u>	<u>M01</u>	<u>Munoz, Ben</u>	<u>P09</u>	<u>Plickert, Matt</u>	<u>A18</u>
<u>Martin, Margaret</u>	<u>E12</u>	<u>Mejia, Estefan</u>	<u>E20</u>	<u>Murray, Brandon</u>	<u>N04</u>	<u>Pogoda, Stefan</u>	<u>D19</u>
<u>Martin, Patrick</u>	<u>B03</u>	<u>Melanson, Dara</u>	<u>C15</u>	<u>Ng, Patrick</u>	<u>J17</u>	<u>Poot, Nicole</u>	<u>I16</u>

Congratulations to all BASEF 2005 participants!

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EXHIBITOR INDEX continued...

<u>Prince, Hannah</u>	<u>C16</u>	<u>Reid, Jessica</u>	<u>E16</u>	<u>San Martin, Kyle</u>	<u>E13</u>	<u>Sienna, Vincent</u>	<u>F02</u>
<u>Prpic, Matthew</u>	<u>C18</u>	<u>Reilly, Cori</u>	<u>A03</u>	<u>San Martin, Lauren</u>	<u>N18</u>	<u>Silverthorne, Emma</u>	<u>I14</u>
<u>Quercia, Natalie</u>	<u>M07</u>	<u>Richter, Samantha</u>	<u>P10</u>	<u>Santoli, Matt</u>	<u>D16</u>	<u>Singh, Yashoda</u>	<u>I08</u>
<u>Queripel, Samuel</u>	<u>C01</u>	<u>Riley, Brandon</u>	<u>B13</u>	<u>Sardo, Joe</u>	<u>D01</u>	<u>Siwik, Grace</u>	<u>I12</u>
<u>Querques, Joseph</u>	<u>N15</u>	<u>Riley, Devin</u>	<u>D05</u>	<u>Savelli, Amanda</u>	<u>F08</u>	<u>Slowka, Steven</u>	<u>A16</u>
<u>Querques, Nicolas</u>	<u>N11</u>	<u>Robinson, Kyle</u>	<u>H20</u>	<u>Sayani-Muji, Riaz</u>	<u>J01</u>	<u>Smiley, Matthew</u>	<u>B12</u>
<u>Rabi, Santa</u>	<u>C06</u>	<u>Robson, Sarah</u>	<u>J09</u>	<u>Scattolon, Krizia</u>	<u>I19</u>	<u>Smith, Jamie</u>	<u>H11</u>
<u>Rajaram, Ajay</u>	<u>G19</u>	<u>Rockwell, Alethea</u>	<u>H14</u>	<u>Scott, Eric</u>	<u>D14</u>	<u>Smuczak, Monika</u>	<u>E09</u>
<u>Rak, Eric</u>	<u>D19</u>	<u>Rodriguez, Milcah</u>	<u>H07</u>	<u>Seamans, Brianne</u>	<u>E03</u>	<u>Smuczak, Peter</u>	<u>E09</u>
<u>Ramadan, Khaled</u>	<u>J01</u>	<u>Romyn, Zack</u>	<u>N07</u>	<u>Sebastian, Alvin</u>	<u>F16</u>	<u>Socha, Alysha</u>	<u>D10</u>
<u>Ranger, Michael</u>	<u>B13</u>	<u>Rossignol, Andrew</u>	<u>D15</u>	<u>Serrani, Brittany</u>	<u>C17</u>	<u>Socha, Lana</u>	<u>D07</u>
<u>Rankin, Ashton</u>	<u>F18</u>	<u>Roth, Taylor</u>	<u>A13</u>	<u>Settimi, Andrea</u>	<u>D18</u>	<u>Sousa, Chelsea</u>	<u>E01</u>
<u>Rao, Mary</u>	<u>B02</u>	<u>Rudy, Jessica</u>	<u>I11</u>	<u>Shaw, Michael</u>	<u>M11</u>	<u>Sousa, Samantha</u>	<u>F20</u>
<u>Raso, Natalie</u>	<u>P01</u>	<u>Russell, Megan</u>	<u>D09</u>	<u>Shiplo, Brandon</u>	<u>Q04</u>	<u>Spehar, John</u>	<u>N11</u>
<u>Ravo, Sali</u>	<u>H13</u>	<u>Russell, Simon</u>	<u>N02</u>	<u>Short, John</u>	<u>G15</u>	<u>St.Pierre-Rapko, Nicola</u>	<u>F13</u>
<u>Regan, Chad</u>	<u>B06</u>	<u>Rutherford, Amelia</u>	<u>G18</u>	<u>Sienna, Nicole</u>	<u>C11</u>	<u>Stavro, James</u>	<u>A09</u>

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EXHIBITOR INDEX continued...

<u>Stefan, Lambevski</u>	<u>N12</u>	<u>Tirone, Rachel</u>	<u>C05</u>	<u>Varela-Marela, Yurissa</u>	<u>E17</u>	<u>Williams, Faye</u>	<u>A13</u>
<u>Stewart, Eryn</u>	<u>C15</u>	<u>Tomasic, Christina</u>	<u>D02</u>	<u>Vastano, Daniel</u>	<u>D01</u>	<u>Williston, Chantel</u>	<u>F04</u>
<u>Stoap, Daniel</u>	<u>A11</u>	<u>Toner, Aaron</u>	<u>H03</u>	<u>Velluto, Angie</u>	<u>C08</u>	<u>Wilson, Rachel</u>	<u>B18</u>
<u>Stubbs, Nicole</u>	<u>B08</u>	<u>Tonogai, James</u>	<u>G05</u>	<u>Virag, Olivia</u>	<u>E11</u>	<u>Wityk, Natalia</u>	<u>B20</u>
<u>Sweeney, Emily</u>	<u>B18</u>	<u>Torres, Ariel</u>	<u>G01</u>	<u>Vrankulj, Victor</u>	<u>I01</u>	<u>Wong, Rebecca</u>	<u>G06</u>
<u>Szorenyi, Jessica</u>	<u>C10</u>	<u>Townsend, Aaron</u>	<u>D11</u>	<u>Walker, Cameron</u>	<u>J14</u>	<u>Worrall, Kasha</u>	<u>M01</u>
<u>Tarbutt, Carson</u>	<u>B16</u>	<u>Trevisani, Ashley</u>	<u>F04</u>	<u>Waxman, Jennifer</u>	<u>I16</u>	<u>Yusuf, Shireen</u>	<u>J07</u>
<u>Tedeschi, Maryellen</u>	<u>F19</u>	<u>Tse, Glenda</u>	<u>J12</u>	<u>Weaver, Nicholas</u>	<u>N06</u>	<u>Zeuner, Jeffrey</u>	<u>I14</u>
<u>Templeton, Stephanie</u>	<u>B07</u>	<u>Turiuk, Jenn</u>	<u>J03</u>	<u>Weber, Tani</u>	<u>H14</u>	<u>Zubic, Olja</u>	<u>H09</u>
<u>Terbrack, Nathan</u>	<u>F11</u>	<u>Valladares, Susana</u>	<u>B17</u>	<u>Weitz, Caileen</u>	<u>J07</u>	<u>Zylik, Chris</u>	<u>P07</u>
<u>Thayer, Dan</u>	<u>N01</u>	<u>van Leeuwen, Jeff</u>	<u>N07</u>	<u>Welch, Laura</u>	<u>H20</u>		
<u>Tidd, Charlie</u>	<u>N16</u>	<u>Van Santvoort, Albert</u>	<u>N05</u>	<u>White, Marleigh</u>	<u>H05</u>		
<u>Tilban, Blayne</u>	<u>D13</u>	<u>Vanderwoude, Gordon</u>	<u>J15</u>	<u>Wild, Jenna</u>	<u>D12</u>		



Team BASEF 2004
St. John's, Newfoundland



BASEF students joined fellow Team Canada members to compete at the 2004 Intel International Science and Engineering Fair in Portland, Oregon.

N01 N02 N03 N04

N05 N06 N07 N08

J01	J02	J03	J04	J05	J06	J07	J08	J09	J10
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10

H01	H02	H03	H04	H05	H06	H07	H08	H09	H10
G01	G02	G03	G04	G05	G06	G07	G08	G09	G10

F01	F02	F03	F04	F05	F06	F07	F08	F09	F10
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10

D01	D02	D03	D04	D05	D06	D07	D08	D09	D10
C01	C02	C03	C04	C05	C06	C07	C08	C09	C10

B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
A01	A02	A03	A04	A05	A06	A07	A08	A09	A10

M14
M13
M12
M11
M10
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M05
M04
M03
M02
M01

Q01 Q02 Q03 Q04

Q05 Q06 Q07 Q08

EXIT

EXIT

N09	N10	N11	N12	N13	N14	N15	N16	N17	N18
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EXIT

J11	J12	J13	J14	J15	J16	J17	J18	J19	J20
I11	I12	I13	I14	I15	I16	I17	I18	I19	I20

P10
P09

H11	H12	H13	H14	H15	H16	H17	H18	H19	H20
G11	G12	G13	G14	G15	G16	G17	G18	G19	G20

P08
P07
P06
P05

EXIT

F11	F12	F13	F14	F15	F16	F17	F18	F19	F20
E11	E12	E13	E14	E15	E16	E17	E18	E19	E20

D11	D12	D13	D14	D15	D16	D17	D18	D19	D20
C11	C12	C13	C14	C15	C16	C17	C18	C19	C20

P04
P03
P02
P01

B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
A11	A12	A13	A14	A15	A16	A17	A18	A19	A20

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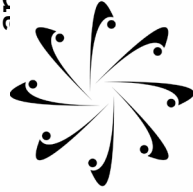


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EXHIBITOR LISTING

- A01: Acids Versus Bases
Susan Lee
Anna Gomizelj
I 9-10 Earth and Environmental
Assumption Secondary
HCDSB
- A02: How Sweet It Isn't
Alyssa Aplidgiotis
J 7-8 Life Sciences
Corpus Christi HWCDSB
- A03: Caution:Falling Salt!
Saramarie Alaimo
Cori Reilly
J 7-8 Physical Sciences &
Math
Corpus Christi HWCDSB
- A04: Spaghetti Spans
Stuart Pearson
I 9-10 Engineering and
Computing
Notre Dame H.S. HCDSB
- A05: The Magnetic
Masterpiece
Matt Maingot
Marc Lesage
J 7-8 Engineering and
Computing
Sacred Heart of Jesus HCDSB
- A06: Hot Springs, Cold
Springs
Roman Jakubowski
J 7-8 Physical Sciences &
Math
Sacred Heart of Jesus HCDSB
- A07: Examination of
Precipitation
Deanna Langlois
Lauren Macdonald
J 7-8 Earth and Environmental
Sacred Heart of Jesus HCDSB
- A08: To Grow or Not to Grow-
That is the Question: a
Bacterial Growth Experiment
M.J. O'Grady
J 7-8 Life Sciences
Sacred Heart of Jesus HCDSB
- A09: The Physics of the Head
Illusion
James Stavro
J 7-8 Physical Sciences &
Math
Sacred Heart of Jesus HCDSB
- A10: Sugar Bombs 2
Meghan Palozzi
J 7-8 Health Sciences
St. Andrew HCDSB
- A11: Hydraulic Arm
Sam Michaud
Daniel Stoap
J 7-8 Physical Sciences &
Math
St. Dominic HCDSB
- A12: G-MACK
Kevin Da Silva
Michael Fagundes
J 7-8 Engineering and
Computing
St. Dominic HCDSB
- A13: Mr Hydraulic
Taylor Roth
Faye Williams
J 7-8 Physical Sciences &
Math
St. Dominic HCDSB
- A14: X FACTOR
Eric Fram
Alexander Kuntz
J 7-8 Physical Sciences &
Math
St. Dominic HCDSB
- A15: super duper hydro army
thing
Nicole Khosla
Matthew Malczuk
J 7-8 Physical Sciences &
Math
St. Dominic HCDSB
- A16: Are You Eating Too
Much?
Steven Slowka
Sarah Nicholson
J 7-8 Health Sciences
St. Joseph (Halton Hills)
HCDSB
- A17: Battle of the Battery
Brands
Mike Brown
Shane Carr
J 7-8 Physical Sciences &
Math
St. Joseph (Halton Hills)
HCDSB

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EXHIBITOR LISTING continued...

A18: Crime Scene Investigation Eyewitnesses
 Brandon Masini
 Matt Plickert
 J 7-8 Health Sciences
 St. Joseph (Halton Hills) HCDSB

A19: What Lies Beneath....Your Burger
 Jennifer MacDonald
 Amy Brierley
 J 7-8 Health Sciences
 St. Joseph (Halton Hills) HCDSB

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model
 Patrick Martin
 S 11-12 Health Sciences
 Bishop Ryan H.S. HWCDSB

B04: Managing Greenhouse Gas Exchange in a Constructed Wetland Model
 Madeleine Martin
 I 9-10 Earth and Environmental
 Bishop Ryan H.S. HWCDSB

B08: Ready, Set, Go
 Nicole Stubbs
 Danielle Horvat
 J 7-8 Health Sciences
 Corpus Christi HWCDSB

B09: Disappearing Bubble Gum
 Derek Cappa
 J 7-8 Physical Sciences & Math
 Corpus Christi HWCDSB

B10: C.S.I Corpus Christi
 Kirsten Davison
 Sarah Cifani
 J 7-8 Physical Sciences & Math
 Corpus Christi HWCDSB

B06: Peanut Power
 Chad Regan
 Matthew Agro
 J 7-8 Life Sciences
 Corpus Christi HWCDSB

B07: Pop-A-Licious
 Stephanie Templeton
 Julia Barac
 J 7-8 Health Sciences
 Corpus Christi HWCDSB

B01: Water, Seeds, and Pollutants
 Natalie Fox
 I 9-10 Earth and Environmental
 Thomas A. Blakelock H.S. HDSB

B02: Get In The Swing Of Things
 Mary Rao
 J 7-8 Physical Sciences & Math
 St. Therese of Liseux HWCDSB

B11: Caffeine Power
 John Cesare Pacheco
 Jessica Caruso
 J 7-8 Health Sciences
 Corpus Christi HWCDSB

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EXHIBITOR LISTING continued...

- B12: Mildew in Motion
Matthew Smiley
Paul Belisario
J 7-8 Life Sciences
Corpus Christi HWCDSB
- B13: Bouyancy
Michael Ranger
Brandon Riley
J 7-8 Physical Sciences &
Math
Corpus Christi HWCDSB
- B14: Battle of the Height
Erica Battaglia
Dayna Gamelin
J 7-8 Health Sciences
Corpus Christi HWCDSB
- B15: Stain Busters
Chantel Black
Veronica De Melo
J 7-8 Physical Sciences &
Math
Holy Name of Jesus HWCDSB
- B16: Are You a Thumbbody?
Carson Tarbutt
J 7-8 Health Sciences
Holy Name of Jesus HWCDSB
- B17: What's Poppin'?
Sara Moffatt
Susana Valladares
J 7-8 Physical Sciences &
Math
Holy Name of Jesus HWCDSB
- B18: Bubble Gum Marathon
Emily Sweeney
Rachel Wilson
J 7-8 Health Sciences
Holy Name of Jesus HWCDSB
- B19: Trip Down Memory Lane
Sarah Foster
Diana Mena
J 7-8 Health Sciences
Holy Name of Jesus HWCDSB
- B20: Tsunami Science
Natalia Wityk
J 7-8 Earth and Environmental
Holy Spirit HWCDSB
- C01: Energy Bars and
Diabetes
Maksym Korol
Samuel Queripel
J 7-8 Health Sciences
Holy Spirit HWCDSB
- C02: Rain, Rain, GO AWAY!
Augustine Krawchenko
J 7-8 Earth and Environmental
Holy Spirit HWCDSB
- C03: Insulation Some Like it
Hot, Some Like it Cold
Christine MacCauley
J 7-8 Physical Sciences &
Math
Holy Spirit HWCDSB
- C04: Fatty Fast Foods
Lucas Kramar
J 7-8 Health Sciences
Holy Spirit HWCDSB
- C05: Organ Transplants
Vanessa Giglia
Rachel Tirone
J 7-8 Health Sciences
Our Lady of Lourdes HWCDSB
- C06: The Effect of Polluted
Daphnia on Aquatic Life
Santa Rabi
J 7-8 Earth and Environmental
Our Lady of Lourdes HWCDSB

Edward Oldham

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Good luck to all participants!

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EXHIBITOR LISTING continued...

C07: How do detergents affect stains

Chanelle Bakker-Wallace
Shaelyn Mahon
J 7-8 Physical Sciences & Math

Our Lady of Lourdes HWCDSB

C08: Beyond the Skin
Angie Velluto

Melanie McSweeney
J 7-8 Physical Sciences & Math

Our Lady of Lourdes HWCDSB

C09: Melt Down

Denise Densmore
J 7-8 Physical Sciences & Math

Our Lady of Lourdes HWCDSB

C10: Balance

Jessica Szorenyi
Gabriella Mattina

J 7-8 Health Sciences
Our Lady of Lourdes HWCDSB

C11: DNA

Nicole Siena
J 7-8 Health Sciences
Our Lady of Lourdes HWCDSB

C12: amazing bridges

Ariel Bautista
Max Chechalk
J 7-8 Physical Sciences & Math
Our Lady of Lourdes HWCDSB

C13: Water Play Filter Away

Steven Douglas
J 7-8 Engineering and Computing
Our Lady of Peace HWCDSB

C14 Venoms Unite

Fernando Garcia
J 7-8 Life Sciences
Sacred Heart of Jesus HCDSB

C15: It's In Your Hands

Dara Melanson
Eryn Stewart
J 7-8 Health Sciences
Sacred Heart HWCDSB

C16: Is a Picture Worth a Thousand Words?

Hannah Prince
J 7-8 Health Sciences
Sacred Heart HWCDSB

C17: where Does It Go?

Brittany Serrani
Christina Oliveira
J 7-8 Physical Sciences & Math
St. Agnes HWCDSB

C18: Paper Towel Boot Camp

Joseph Fuca
Matthew Prpic
J 7-8 Physical Sciences & Math
St. Agnes HWCDSB

C19: Fiery Fibres

Julia Brucculieri
J 7-8 Physical Sciences & Math
St. Agnes HWCDSB

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EXHIBITOR LISTING continued...

- C20: Do You "C" What I "C"?
Pauline Nichol
Lauren Biassetti
J 7-8 Physical Sciences & Math
St. Agnes HWCDSB
- D01: Supersize Me!
Joe Sardo
Daniel Vastano
J 7-8 Health Sciences
St. Agnes HWCDSB
- D02: Greased Up
Christina Tomasic
J 7-8 Physical Sciences & Math
St. Agnes HWCDSB
- D03: BioFuels
Nicholas Centritto
J 7-8 Earth and Environmental
St. Ann (Ancaster) HWCDSB
- D04: Enzymes
Emily Hasey
J 7-8 Physical Sciences & Math
St. Anthony of Padua
HWCDSB
- D05: From the Kitchen to the Garden
Devin Riley
J 7-8 Earth and Environmental
St. Augustine HWCDSB
- D06: Allergen Alert
Kaitlin Lewis
J 7-8 Life Sciences
St. Augustine HWCDSB
- D07: Bum Baby . . . Heart
Burn
Lana Socha
J 7-8 Health Sciences
St. Augustine HWCDSB
- D08: IBID.....a pain in the gut
Sarah Macaluso
J 7-8 Health Sciences
St. Augustine HWCDSB
- D09: Bright Ideas
Megan Russell
J 7-8 Physical Sciences & Math
St. Augustine HWCDSB
- D10: Hydro Bills . . . Gone With The Wind?
Alysha Socha
J 7-8 Earth and Environmental
St. Augustine HWCDSB
- D11: Chromo Coffee
Matthew Bontje
Aaron Townsend
J 7-8 Physical Sciences & Math
St. Augustine HWCDSB
- D12: H2O
Jenna Wild
J 7-8 Health Sciences
St. Augustine HWCDSB
- D13: Metal and rust, What's the fuss?
Blayne Tilban
J 7-8 Physical Sciences & Math
St. Clare of Assisi HWCDSB
- D14: Marble-ous Velocity
Eric Scott
J 7-8 Physical Sciences & Math
St. Clare of Assisi HWCDSB

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EXHIBITOR LISTING continued...

D15: Wind Energy
Andrew Rossignol
J 7-8 Earth and Environmental
St. Clare of Assisi HWCDSB

D16: Burn Baby Burn
Matt Santoli
J 7-8 Physical Sciences &
Math
St. Clare of Assisi HWCDSB

D17: The Thrills Vs Safety on
a Roller Coaster
Alexandra McDonald
J 7-8 Engineering and
Computing
St. Clare of Assisi HWCDSB

D18: Actions and Reactions-
Chemical Contamination
Sandra Evoughlian
Andrea Settimi
J 7-8 Earth and Environmental
St. Daniel HWCDSB

D19: To Levitate Or Not?
Eric Rak
Stefan Pogoda
J 7-8 Physical Sciences &
Math
St. James the Apostle
HWCDSB

D20: EggCellent Teeth
Jenna Frank
J 7-8 Health Sciences
St. James the Apostle
HWCDSB

E01: Fluid Force
Valerie Arpino
Chelsea Sousa
J 7-8 Engineering and
Computing
St. James the Apostle
HWCDSB

E02: The Stroop Effect
Aaron Carubba
J 7-8 Health Sciences
St. James the Apostle
HWCDSB

E03: Holey Bones
James Hunks
Brianna Seamans
J 7-8 Health Sciences
St. James the Apostle
HWCDSB

E04: It's a Miracle
Olivia Cummings
J 7-8 Life Sciences
St. James the Apostle
HWCDSB

E05: Motorworks
David Martinac
Michael Fluder
J 7-8 Physical Sciences &
Math
St. James the Apostle
HWCDSB

E06: A-Mazing-Hamster
Sarah Pearman
J 7-8 Life Sciences
St. James the Apostle
HWCDSB

E07: What A Shock!
Ryan Campbell
J 7-8 Physical Sciences &
Math
St. Jerome HWCDSB

E08: The evaluation of salt
and other contaminants on the
rate of rusting (rust-a-way)
Christopher Krnezich
J 7-8 Earth and Environmental
St. Jerome HWCDSB

E09: Live Life Without Steroids
Peter Smuczak
Monika Smuczak
J 7-8 Health Sciences
St. Jerome HWCDSB

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Strathallan**

EXHIBITOR LISTING continued...

E10: What goes up must...stay up!

Alexander Keating
J 7-8 Engineering and Computing
St. John the Baptist HWCDSB

E11: Caffeine Time

Olivia Virag
Alexa Merulla
J 7-8 Health Sciences
St. John the Baptist HWCDSB

E12: Mathematical Inclination and Recreation Part 2

Margaret Martin
J 7-8 Health Sciences
St. John the Baptist HWCDSB

E13: Coffee Is It Affecting You?

Kyle San Martin
J 7-8 Health Sciences
St. John the Baptist HWCDSB

E14: On Cloud 9

Conor Flood
J 7-8 Earth and Environmental
St. John the Baptist HWCDSB

E15: Night or Day Which Takes My Breath Away?

Julia Kay
J 7-8 Health Sciences
St. John the Baptist HWCDSB

E16: Chocolate

Jessica Reid
Alexandra Benko
J 7-8 Health Sciences
St. Joseph HWCDSB

E17: odorless

Yasaman Karimianpour
Yurissa Varela-Marela
J 7-8 Health Sciences
St. Joseph HWCDSB

E18: Mission Mars:

Discovering Mars
Joseph Almonte
J 7-8 Engineering and Computing
St. Luke HWCDSB

E19: Cesium and Cancer : What's the Connection

Chiara Genovese
J 7-8 Health Sciences
St. Margaret Mary HWCDSB

E20: In every breath

Estefan Mejia
J 7-8 Earth and Environmental
St. Mark HWCDSB

F01: The Strength of a

Cigarette
Kyle Balon
J 7-8 Health Sciences
St. Mark HWCDSB

F02: Slip Sliding Away

Vincent Sienna
Darren Callaghan
J 7-8 Physical Sciences & Math
St. Mark HWCDSB

F03: You Take My Breath Away

Ashley Battaglia
J 7-8 Health Sciences
St. Mark HWCDSB

F04: Handee Soap

Ashley Trevisani
Chantel Williston
J 7-8 Health Sciences
St. Mark HWCDSB



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EXHIBITOR LISTING continued...

F05: Peripheral Vision
Adissa Bozzo
Angelica Frak
J 7-8 Health Sciences
St. Mark HWCDSB

F06: How Much Oxygen Is In
The Air?
Jessica Penney
Celenna Ciuro
J 7-8 Physical Sciences &
Math
St. Mark HWCDSB

F07: Soaking Up The Sun...
Ashley Fowler
Natalie Michalski
J 7-8 Physical Sciences &
Math
St. Mark HWCDSB Bishop
Tonnos Secondary

F08: Bubbles Bubbles
Everywhere
Brooke Kostyshyn
Amanda Savelli
J 7-8 Physical Sciences &
Math
St. Paul HWCDSB

F09: Pop The Pepsi Myth
Amanda Lultschik
Madison Kurchik
J 7-8 Health Sciences
St. Paul HWCDSB

F10: Pumped Up
Iain MacDonald
Greg DeTina
J 7-8 Health Sciences
St. Paul HWCDSB

F11: Spices To Go!
Nathan Terbrack
J 7-8 Physical Sciences &
Math
St. Paul HWCDSB

F12: Recycled Heat
Melissa Goddard
Alexandra Banevicius
J 7-8 Earth and Environmental
St. Teresa of Avila HWCDSB

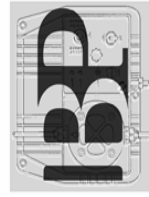
F13: Senses
Nicola St.Pierre-Rapko
Kaitlyn Moore
J 7-8 Health Sciences
St. Teresa of Avila HWCDSB

F14: The Coughing Truth
Angela Chiarelli
J 7-8 Earth and Environmental
St. Teresa of Avila HWCDSB

F15: Egg-cellent Strength
Joey Borsellino
J 7-8 Physical Sciences &
Math
St. Teresa of Avila HWCDSB

F16: Water Filtration
Alvin Sebastian
Joseph Lippa
J 7-8 Physical Sciences &
Math
St. Therese of Liseux
HWCDSB

F17: Levitating Train
Matthew Chiarelli
Joseph Lee
J 7-8 Physical Sciences &
Math
St. Therese of Liseux
HWCDSB



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**Best wishes to all
BASEF 2005
participants!**

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EXHIBITOR LISTING continued...

- F18: The Gut Reaction
Ashton Rankin
J 7-8 Health Sciences
St. Therese of Liseux
HWCD5B
- F19: Acid or Base?
Jessica Cialini
Maryellen Tedeschi
J 7-8 Physical Sciences &
Math
St. Therese of Liseux
HWCD5B
- F20: Erosion its Eating Us
Away!
Samantha Sousa
J 7-8 Earth and Environmental
St. Therese of Liseux
HWCD5B
- G01: Earth's Water On The
MOVE!!
Ariel Torres
Kelly Pacheco
J 7-8 Earth and Environmental
St. Therese of Liseux
HWCD5B
- G02: Fire! Sound the Alarm!
Patrick Chown
Michael Lancaster
J 7-8 Physical Sciences &
Math
St. Therese of Liseux
HWCD5B
- G03: Just Add Ice
Bryan Lehman
J 7-8 Physical Sciences &
Math
Billy Green HWDSB
- G04: Which Bridge Won't
Break?
Samantha Hatoski
Kayla Mitchell
J 7-8 Engineering and
Computing
Billy Green HWDSB
- G05: "A Salty Solution" How
Salt Affects The Freezing Point
of Water
James Tonogai
J 7-8 Physical Sciences &
Math
Billy Green HWDSB
- G06: A Stainless Tooth?
Rebecca Wong
Laura Drake
J 7-8 Physical Sciences &
Math
Billy Green HWDSB
- G07: Electrons In Action
Hunter Galan
J 7-8 Physical Sciences &
Math
Billy Green HWDSB
- G08: Quiet! The Peas are
Listening
Aaron Jan
J 7-8 Life Sciences
Dalewood HWDSB
- G09: Perchance to Dream
Jasmine Dong
Julia Kochuk
J 7-8 Life Sciences
Dalewood HWDSB
- G10: Optical Illusions: What
Do You See?
Jeffrey Behan
J 7-8 Health Sciences
Dalewood HWDSB

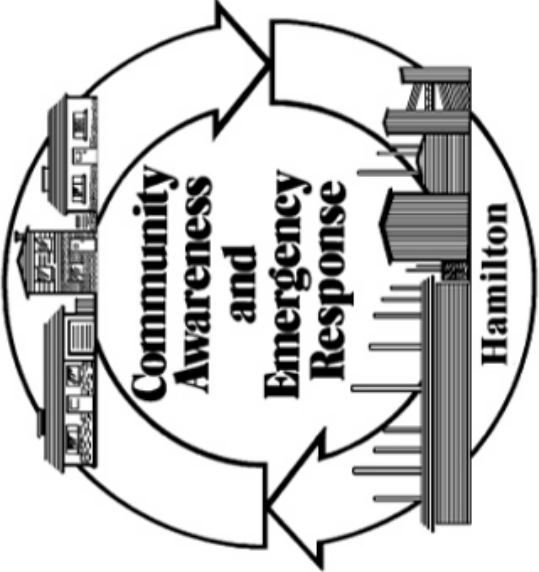
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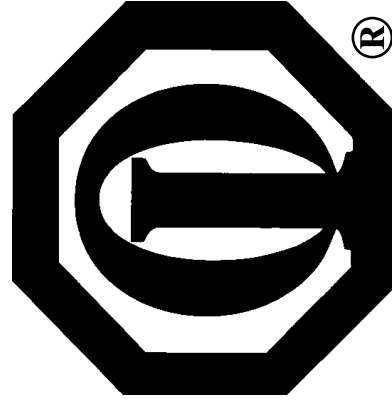
Hamilton

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EXHIBITOR LISTING continued...

- G11: Which Paper Towel is the Best?
Steven Long
Sam Grolla
J 7-8 Physical Sciences & Math
Dalewood HWDSB
- G12: UV The Invisible Danger
Ben Greenlay
J 7-8 Physical Sciences & Math
Dalewood HWDSB
- G13: Notes and Neurons
Chenwei Ji
Sam Elliott
J 7-8 Health Sciences
Dalewood HWDSB
- G14: Makeup Madness
Sari Morris
J 7-8 Health Sciences
Dundas District HWDSB
- G15: Reaction Time
John Short
Brian Mills
J 7-8 Health Sciences
Dundas District HWDSB
- G16: Super Fries Us
Stephanie Clark
Joanna Harkness
J 7-8 Health Sciences
Dundas District HWDSB
- G17: How Clean is Your Water
Mandy Cooke
Hilary Lyttle
J 7-8 Earth and Environmental
Dundas District HWDSB
- G18: R You Aware of R-value
Amelia Rutherford
J 7-8 Physical Sciences &
Math
Flamborough Centre HWDSB
- G19: Solar Power
Ajay Rajaram
J 7-8 Earth and Environmental
Gordon Price HWDSB
- G20: Thirst Quencherz
Jesse Nowakowski
Nick Pereira
J 7-8 Health Sciences
Holy Name of Jesus HWCDSB
- H01: The Effects of Rhythmic Drumming on the Nervous System
Matthew Cangiano
J 7-8 Health Sciences
Ryerson HWDSB
- H02: Hydrogen Fuel Cells
Erik Dickenson
J 7-8 Earth and Environmental
Ryerson HWDSB
- H03: How Basic Can You Get?!
Matthew Fondevilla
Aaron Toner
J 7-8 Health Sciences
Sir Wilfrid Laurier HWDSB
- H04: MOOve Over Bacteria
Diana Kanlic
J 7-8 Life Sciences
Sir Wilfrid Laurier HWDSB
- H05: Smokin'
Marleigh White
J 7-8 Health Sciences
Sir Wilfrid Laurier HWDSB

**Congratulations and good luck
to all participants in the
2005 Bay Area Science and Engineering Fair!**



**Optimist Club
of
Stoney Creek**

EXHIBITOR LISTING continued...

H06: Farming Plastic
Andrea Bandow
J 7-8 Earth and Environmental
Sir Wilfrid Laurier HWDSB

H07: Termination of
Germination
Lana Kovacevic
Milcah Rodriguez
J 7-8 Earth and Environmental
Sir Wilfrid Laurier HWDSB

H08: C For Yourself
Nikolija Borjan
J 7-8 Physical Sciences &
Math
Sir Wilfrid Laurier HWDSB

H09: Drugged Out Daphnia
Jelena Ilic
Olja Zubic
J 7-8 Life Sciences
Sir Wilfrid Laurier HWDSB

H10: Eww! It's Dirty
Justin Bertasson
Karlo Matic
J 7-8 Earth and Environmental
St. Agnes HWDSB

H11: The Effect of
Temperature on Magnetism
Jamie Smith
J 7-8 Physical Sciences &
Math
Templemead HWDSB

H12: Predicting a Caucasian
Females Face at the age of 20
Jillian Blesses
J 7-8 Health Sciences
Templemead HWDSB

H13: Does the shape of an ice
cube affect how long it takes to
melt?
Sali Ravo
Samantha Fleming
J 7-8 Physical Sciences &
Math
Templemead HWDSB

H14: Crushing Pollution One
Can at a Time
Alethea Rockwell
Tani Weber
I 9-10 Engineering and
Computing
Westdale H.S. HWDSB

H15: Is Nanotechnology Safe?
Paul Dickin
S 11-12 Earth and
Environmental
Westdale H.S. HWDSB

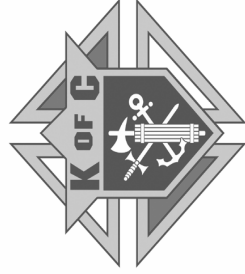
H16: Fantastik? Maybe Not!
Lingfei Liu
I 9-10 Earth and Environmental
Westdale H.S. HWDSB

H17: Wired: The Wrap on
Electromagnets
Tristan DiFrancisco
J 7-8 Physical Sciences &
Math
Westview HWDSB

H18: Aromatherapy and Your
Memory
Megan Barker
Lauren Baker
J 7-8 Health Sciences
Westview HWDSB

H19: Is Stronger Better?
Rylan Hartley
J 7-8 Earth and Environmental
Westview HWDSB

***Congratulations to all
BASEF 2005 participants!***



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EXHIBITOR LISTING continued...

- H20: What's your angle?
 Laura Welch
 Kyle Robinson
 J 7-8 Physical Sciences & Math
 Westview HWDSB
- I01: Kithen Power
 Victor Vrankulij
 J 7-8 Physical Sciences & Math
 Westview HWDSB
- I02: Take a Spoonfull of Honey and Call Me in the Morning
 Eric Coomes
 J 7-8 Health Sciences
 Appleby College
 Independent
- I03: Does Size Matter?
 Britney Bonnick
 J 7-8 Physical Sciences & Math
 Appleby College
 Independent
- I04: Super Power's Stuart Bacon
 I 9-10 Physical Sciences & Math
 Appleby College
 Independent
- I05: A Burning Question
 Aaron Ehgoetz
 J 7-8 Health Sciences
 Appleby College
 Independent
- I06: Survey - optical illusions
 Andrew Jang
 I 9-10 Health Sciences
 Appleby College
 Independent
- I07: Hair Absorbs Oil
 Patrick Aubrey
 J 7-8 Earth and Environmental
 Appleby College
 Independent
- I08: Save Energy... For a Better Future!
 Yashoda Singh
 J 7-8 Earth and Environmental
 Appleby College
 Independent
- I09: Julia and The Magic Nitrogen Beans
 Julia Mickus
 J 7-8 Life Sciences
 Appleby College
 Independent
- I10: The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination
 Aaron Hakim
 J 7-8 Life Sciences
 Appleby College
 Independent
- I11: Cleaners Destroy Bacteria ... or Do They?
 Clara Lloyd
 Jessica Rudy
 J 7-8 Health Sciences
 Burlington Christian Academy
- I12: Wasowi- wind water and solar power
 Grace Siwik
 J 7-8 Earth and Environmental
 Burlington Christian Academy



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 Innovation
 Accountability

Respect... We will.
 Respond to stakeholder needs in a caring and considerate manner.
 Ensure a safe, welcoming environment that nurtures achievement.
 Communicate in an open, honest and intelligent manner.
 Acknowledge the diversity and worth of all individuals and respect their roles, competencies and contributions.

Innovation... We will.
 Foster an environment that encourages creativity and inspires people to make a difference.
 Recognize and reward excellence, effort and innovation.
 Encourage thoughtful experimentation and challenge routine.
 Adapt best practices in enhancing our mission.

Accountability... We will.
 Act with integrity in accordance with Board policies.
 Measure and report our accomplishments to the community.
 Use our resources wisely, efficiently and effectively.
 Honour our commitments.

Hamilton-Wentworth District School Board

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EXHIBITOR LISTING continued...

- I13: How Do Video Games Affect Your Brain?
Andrea McQueen
J 7-8 Health Sciences
Burlington Christian Academy
- I14: Do You Really Need Sugar?
Emma Silverthorne
Jeffrey Zeuner
J 7-8 Health Sciences
Burlington Christian Academy
- I16: Living In The Dust
Nicole Poot
Jennifer Waxman
I 9-10 Health Sciences
Hillfield - Strathallan College
Independent
- I17: Guess Who's Coming To Dinner
Alisa Lagrotteria
J 7-8 Health Sciences
Hillfield - Strathallan College
Independent
- I18: Hues Your Illusion
Will McMillan
J 7-8 Health Sciences
Hillfield - Strathallan College
Independent
- I19: Viscosity
Sara Greco
Krizia Scattolon
I 9-10 Physical Sciences & Math
Hillfield - Strathallan College
Independent
- J01: Electric Aircraft Engine
Khaled Ramadan
Riaz Sayani-Mulji
I 9-10 Engineering and Computing
Hillfield - Strathallan College
Independent
- J02: "AcetaminoFUN"
Comparing Dissolution Rates of Acetaminophen
Caroline Dunton
J 7-8 Health Sciences
Hillfield - Strathallan College
Independent
- J03: Memory Loss: Don't Let It Happen To You!
Jenn Turliuk
S 11-12 Health Sciences
Hillfield - Strathallan College
Independent
- J04: Mold: Friend Or Foe
Patrick McMillan
Jesse Lai
J 7-8 Life Sciences
Hillfield - Strathallan College
Independent
- J05: Stalagmites and Stalactites
Calum Mathews
J 7-8 Earth and Environmental
Hillfield - Strathallan College
Independent
- J07: Seeing Through the Blind
Shireen Yusuf
Caileen Weitz
I 9-10 Health Sciences
Hillfield - Strathallan College
Independent
- J09: Eco. Friendly Cleaners vs. Non-Eco. Friendly Cleaners
Sarah Robson
J 7-8 Earth and Environmental
Hillfield - Strathallan College
Independent
- J12: Preventing Collisions
Glenda Tse
Christina Bender
J 7-8 Physical Sciences & Math
Oakville Christian School
Independent



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EXHIBITOR LISTING continued...

J13: Milk: Beyond the Carton
 Alex Hume
 Alex Dumschat
 J 7-8 Biotechnology
 Oakville Christian School
 Independent

J14: Attack of the Mac
 Cameron Walker
 Elliott Cheeseman
 J 7-8 Health Sciences
 Oakville Christian School
 Independent

J15: Antioxidants and Cancer
 Gordon Vanderwoude
 J 7-8 Health Sciences
 Rothergleng School
 Independent

J16: The Physics Of Bats
 Dexter Chu
 J 7-8 Physical Sciences &
 Math
 Rothergleng School
 Independent

J17: Bridges
 Michael Kucharski
 Patrick Ng
 J 7-8 Engineering and
 Computing
 Rothergleng School
 Independent

J18: Break A Wave
 Alicia Ault
 J 7-8 Engineering and
 Computing
 Rothergleng School
 Independent

M01: Light Therapy and the
 Melatonin Miracle
 Gayatri Mehta
 Kasha Worrall
 J 7-8 Health Sciences
 Ryerson HWDSB



"We are east of you; no one is east of us. We are the Eastest."
 Ken Moyle
 Members of Team BASEF at CWSF, including intrepid chaperone Ken,
 enjoying the balmy, spring-like weather in Newfoundland.

M02: Sounds into Syllables - A
 Teaching System for Autistic
 Children
 Kayla Cornale
 I 9-10 Health Sciences
 Assumption Secondary
 HCDSB

M03 Spin With The Wind
 Lora Capobianco
 J 7-8 Physical Sciences &
 Math
 Hillfield - Strathallan College
 Independent

M04 Heart & Keystroke:
 Simulating the Human
 Circulatory System
 Brian Le
 I 9-10 Health Sciences
 Westdale H.S. HWDSB

M05 Wattsss...Up
 Joseph Barzetti
 J 7-8 Earth and Environmental
 St. Francis Xavier HWCDSD

M06 UV Curing of Marine
 Resins
 Lauren Burseay
 J 7-8 Engineering and
 Computing
 Hillfield - Strathallan College
 Independent

M07 Deep Fried
 Felicia Assenza
 Natalie Quercia
 J 7-8 Physical Sciences &
 Math
 St. Clare of Assisi HWCDSD

M09 Energy, energy, energy!
 Diana Albanese May
 Harrington
 J 7-8 Physical Sciences &
 Math
 St. Ann (Ancaster) HWCDSD

M10 heating up lightbulb
 Marina Ghtas
 Melina Di Berardo
 J 7-8 Physical Sciences &
 Math
 Holy Name of Jesus HWCDSD

EXHIBITOR LISTING continued...

M11 Titanium Dioxide Phenomenon
 Andrew Dinnin
 Michael Shaw
 I 9-10 Earth and Environmental
 Hillfield - Strathallan College
 Independent

M12 Wood vs. Foam: Which is the
 better insulator?
 Matthew DelFiacco
 J 7-8 Physical Sciences & Math
 St. Clare of Assisi HWCDSB

M13 Too Cold for Comfort?
 Production of Anomalous Heat
 During Plasma Electrolysis
 Nicholas Klimchuk
 J 7-8 Physical Sciences & Math
 Holy Spirit HWCDSB

M14 Lightin' Up
 Vivian Leung
 J 7-8 Physical Sciences & Math
 Captain R. Wilson HDSB

N01 Electrolysis of water:
 Production of Hydrogen
 Dan Thayer
 J 7-8 Physical Sciences &
 Math
 Burlington Christian Academy

N02 Wind or Water: Electrons
 Flow
 Richard Bryce
 Simon Russell
 J 7-8 Engineering and
 Computing
 Sir Wilfrid Laurier HWCDSB

N03 Does Size Matter?
 Graham Fink
 J 7-8 Physical Sciences &
 Math
 Burlington Christian Academy

N04 The Potential of the
 Electric Eel
 Gerry Angelatos
 Brandon Murray
 J 7-8 Life Sciences
 Sacred Heart of Jesus
 HCDSB

N05 A Green Clean Driving
 Machine
 Daniel Ipema
 Albert Van Santvoort
 J 7-8 Engineering and
 Computing
 St. Bernadette HWCDSB

N06 ROVing Around -
 Building an ROV from Scratch
 Nicholas Weaver
 J 7-8 Engineering and
 Computing
 Dr. John Seaton HWCDSB

N07 NANOsized me! -
 Nutritious And Never Obese
 Jeff van Leeuwen
 Zack Romyn
 I 9-10 Biotechnology
 Hillfield - Strathallan College

N08 Hotel Soap Cycle
 Spencer McTavish
 J 7-8 Earth and Environmental
 Oakville Christian School

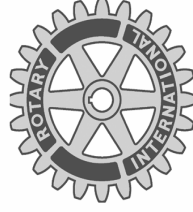


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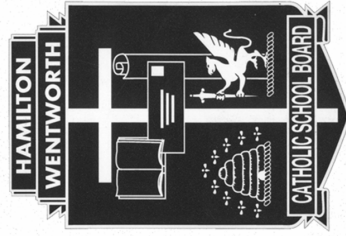
*Best wishes and good luck
 to all participants!*

www.rotaryburlington.com

EXHIBITOR LISTING continued...

- N09 Propeller Power
Peter MacCauley
I 9-10 Physical Sciences
& Math
Bishop Tonnos Secondary
HWCDSB
- N10 Cabin Fever
Mira Anand
J 7-8 Engineering and
Computing
Dalewood HWDSB
- N11 What You See Is
What You Don't Get - An
Application of Cognitive
Psychology
Nicolas Querques
John Spehar
J 7-8 Health Sciences
St. Joseph (Halton Hills)
HCDSB
- N12 TV + Math
Homework= ???
Cam McDonald
Stefan Lambeovski
J 7-8 Health Sciences
Rotherglen School
Independent
- N13 The Bernoulli Principle
Yiyong Lok
J 7-8 Physical Sciences &
Math
Rotherglen School
Independent
- N14 Magnets and Motion: A
New Look at Maglev
Benjamin Gulak
Alexander Molloy
I 9-10 Engineering and
Computing
Hilfield - Strathallan College
- N15 Metals and Their
Weldability
Joseph Querques
I 9-10 Physical Sciences &
Math
Christ the King Secondary
School HCDSB
- N16 The Effects Of Music On
Blood Pressure
Charlie Tidd
Brandon Love
J 7-8 Health Sciences
Burlington Christian Academy
- N17 Does the brain
respond better when given
choices?
Kirsten Gardiner
J 7-8 Health Sciences
Lisgar HWDSB
- N18 Light Up Your World
Lauren San Martin
Tribecca Blascik
J 7-8 Physical Sciences &
Math
St. John the Baptist
HWCDSB
- P01 Using Viruses to Kill
Cancer
Natalie Raso
I 9-10 Health Sciences
St. Thomas More H.S.
HWCDSB
- P02 Don't Touch This!
Jonathan Harris
J 7-8 Health Sciences
Appleby College
Independent

***The BASEF 2005 participants
gratefully acknowledge the continued
support of our educators!***



Hamilton-Wentworth Catholic District School Board

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EXHIBITOR LISTING continued...

- P03 Light Bulbs
Evan Fraser
Daniel Cackovic
J 7-8 Physical Sciences & Math
St. John the Baptist
HWCDDB
- P04 Germ Busters
Daniel Mancini
Joel Inouye
J 7-8 Health Sciences
St. Jerome HWCDDB
- P05 Global Warming
Menace
Manmeet Kaur
J 7-8 Earth and Environmental
Eastview HDSB
- P06 The effects of herbal remedies vs. antibiotics against bacterial growth
Nikola Lukenda
Christopher Balaban S
11-12 Life Sciences
Cardinal Newman H.S.
HWCDDB
- P07 The Green Machine
Chris Zylak
J 7-8 Engineering and Computing
Oakville Christian School
- P08 Particulate Matters, or Des it? Phase II.
Protecting Air Quality through the use of Particulate Pollution Barriers.
Jordan Bowman
I 9-10 Earth and Environmental
St. Mary's H.S. HWCDDB
- P09 Hoovercraft
Ben Munoz
Brett Hull
J 7-8 Engineering and Computing
St. Ann (Ancaster) HWCDDB
- P10 Subliminal Messages
Maxwell Crispo
Samantha Richter
I 9-10 Health Sciences
Hillfield - Strathallan College
- Q01 Paintings In The Sky
Maynard Merryn
Sarah Eastwood
J 7-8 Earth and Environmental
Dalewood HWDSB
- Q02 Optimizing Methanogenic Bacteria Growth in an Anaerobic Digester
Andrew Darby
I 9-10 Biotechnology
Notre Dame H.S. HCDSB
- Q03 A Homemade Hurricane
Camilo Gamez
J 7-8 Earth and Environmental
St. Teresa of Avila
HWCDDB
- Q04 Agricultural affects of "smoke water"
Craig Chittenden
Brandon Shiplo
S 11-12 Earth and Environmental
North Park Collegiate & V.S.
GEDSB

St. Volodymyr Cultural Centre

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***Best wishes and good luck
to all participants!***

**1280 Dundas Street West
Oakville, Ontario, L6M 4H9
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***Congratulations
and best wishes
for continued success
to all BASEF 2005
participants!***

EXHIBITOR LISTING continued...

Q05 The Street Racer
Adam Forgiome
J 7-8 Physical Sciences & Math
Oakville Christian School
Independent

Q06 How Fast Can You Go?
Alex Leung
J 7-8 Physical Sciences & Math
Oakville Christian School
Independent

Q07 Light Up The Room
Natalie Kemp
J 7-8 Physical Sciences & Math
St. David HWCDSD

Q08 Planning With Sound Barriers
Stephanie Collins
J 7-8 Engineering and Computing
Oakville Christian School
Independent

**Congratulations
to all
Science Fair
participants!**

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- Lifetouch is committed to education and our Partners-in-Education program offers a wide array of recognition materials specially designed for students and staff.

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• London	519-652-0016	• Ottawa	613-833-0707
• Oshawa	905-571-1103	• Toronto	416-298-1842
• Sturgeon Falls	705-753-4355	• N.W. Ontario	204-255-1388

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SPECIAL AWARDS

Special Awards are donated by organizations and groups to recognize deserving projects that deal with topics of interest to the donor.

Halton Regional Chairman's Award for Student Excellence

Prize: \$300 and certificates to each of three projects.

Criteria: Deserving projects by Halton students, any category, any level.

City of Hamilton Mayor's Award

Prize: 1st: \$500, 2nd: \$300, 3rd: \$200

Criteria: Deserving projects by Hamilton students in the Biotechnology category.

Acquired Brain Injury Awards

Prize: 1st: \$75, 2nd: \$25

Criteria: Two projects relating to the brain, especially acquired brain injuries, their causes, or therapies.

Ambitious City Toastmasters Leadership and Communications Awards

Prize: \$25 to each of two projects

Criteria: Leadership Award: Project demonstrating outstanding leadership skills in the area of innovative research.

Communications Award: Outstanding clarity in written format and communication during the interview.

Artistically Inspired Display Award

Prize: \$200.

Criteria: The most creative display.

Bell Canada Computer and Communications Awards

Prize: 1st: \$150; 2nd: \$100.

Criteria: For projects regarding communication between people, between machines, or between people and machines; any level.

Canadian Finishing Systems Award

Prize: \$250

Criteria: Best project in the Earth & Environmental Sciences category, any level.

Canadian Institute of Mining & Metallurgy Hamilton Branch Award

Prize: 1st: \$100, 2nd: \$50, 3rd: \$25.

Criteria: For projects relating to mining and metallurgy regardless of level.



The logo features the word "Community" in a stylized, lowercase font with a house icon above the 'i'. Below it, the word "CONNECTIONS" is written in a large, bold, uppercase font.

***Union Gas congratulates all entrants
in the 2005
Bay Area Science and
Engineering Fair***



uniongas
A Duke Energy Company

SPECIAL AWARDS continued...

Canadian Nuclear Society (Sheridan Park Branch) Awards

Prize: Two awards at the intermediate or senior levels for \$125 each & two at the junior level for \$75 each.
Criteria: For projects relating to nuclear, energy or climate sciences.

Cancer Assistance Programme Awards

Prize: Three awards: \$50, \$35, \$25.
Criteria: For outstanding projects on topics related to cancer prevention.

Chemical Institute of Canada, Hamilton Section, Awards

Prize: Three cash prizes of \$100 each.
Criteria: Projects related to chemistry, chemical engineering, or chemical technology.

Dr. Colin J.L. Lock Memorial Chemistry Award

Prize: \$75
Criteria: Project demonstrating the best application of chemistry.

The DaVinci Awards

Sponsored by the Hamilton Association for the Advancement of Literature, Science & the Arts
Prize: \$200, honorary membership in the Association and an invitation to attend meetings
Criteria: The best demonstration of the use of the scientific method.

Dofasco By-Products Utilization Award

Prize: \$100
Criteria: Project that best displays the conservation and recycling of materials, so as to minimize their impact on the environment and society.

Dofasco Chemical Testing Award

Prize: \$100
Criteria: Project that best displays the use of chemical testing and/or chemical principles to solve a technical problem.

Dofasco Creativity and Innovation Community of Practice Award

Sponsored by the members of the Dofasco Creativity and Innovation Group
Prize: \$100
Criteria: Project which best displays the use of creativity and innovation in solving or exploring either a technical or social problem.

Dofasco Engineering & Maintenance Technology Award

Prize: \$100
Criteria: Deserving project that best displays the use of Engineering & Maintenance Technology principles and design to solve a technical problem.

Dofasco Environmental Award

Prize: \$100
Criteria: Project that best displays the use of physics, chemistry or engineering to explore or solve a technical problem associated with environmental issues.

Dofasco Hot Mill Award

Prize: \$100
Criteria: Project that best displays the use of creative principles and design to solve a manufacturing or process problem.

Dofasco Human Resources Training and Development Award

Prize: \$100
Criteria: Project that best displays the use of teaching and training techniques in explaining or exploring a technical program.

Dofasco Information Systems Award

Prize: \$100
Criteria: Deserving project that uses Information Systems and design to solve a technical problem.

Dofasco Market Development and Product Application Award

Prize: \$100
Criteria: Project that best displays the innovative application of materials, products, processes or design principles.

SPECIAL AWARDS continued...

Dofasco Medical Department Award

Prize: \$100

Criteria: Project that best displays the use of scientific principles in exploring or solving a problem related to human health issues.

Dofasco Product Development Business Process Award

Prize: \$100

Criteria: Project that best displays the use of Product Development principles and design in developing a new consumer product with commercial potential.

Dofasco Research and Development Award

Prize: \$100

Criteria: Project that displays the best use of investigative research and scientific principles to explore or solve a technical problem.

Dofasco Steelmaking Award

Prize: \$100

Criteria: Project that best displays the use of Engineering and Materials Science principles to solve a technical problem.

Dofasco Technology Awards

Prize: \$100

Criteria: Deserving project that best displays the use of Engineering & Maintenance Technology principles and design to solve a technical problem.

Prize: \$100

Criteria: Deserving project that best displays the use of Process Automation principles and design to solve a technical problem.

Prize: \$100

Criteria: Deserving project that uses Information Systems and design to solve a technical problem.

Dofasco Zypex Material Science Award

Prize: \$100

Criteria: Deserving project that best displays the use of materials in creating new structural compositions or in solving a materials science problem.

Dr. M. Doyle Award

Prize: A trophy for the winner's school; a plaque and \$150 to the winner.

Criteria: Best biology project.

Eastman Kodak Company Photography Award

for regional science fairs affiliated with the Intel International Science & Engineering Fair

Prize: A Kodak Digital 35mm One Time Use camera for each of the winner and the sponsoring teacher.

Criteria: Project best demonstrating the best use of photographic or digital image processing to gather data, solve a problem, or clearly explain the essence of a science project.

The Electrical Construction Association of Hamilton Award

Prize: \$150

Criteria: A project displaying the best, safest use of electricity in a creative manner.

Gowlings Innovation Award

Prize: \$250

Criteria: For a project that exploits multiple areas of intellectual property protection, namely trademarks, patents, industrial designs and copyright. Any level.

Hamilton Amateur Astronomers Award

Prize: Book plus a one year membership in the Hamilton Amateur Astronomers

Criteria: Project that best demonstrates an understanding of a topic related to astronomy.

SPECIAL AWARDS continued...

Hamilton Utilities Corporation

The Hamilton Community Energy Award

Prize: Three prizes of \$100 each

Criteria: The best projects around conservation and alternative and renewable sources of energy

Hamilton Wentworth Occasional Teacher Local

Healthy Lifestyles Award

Prize: \$ 50 and certificate

Criteria: Junior project which most effectively educates others regarding the role of nutrition and/or exercise in maintaining a healthy lifestyle.

Environment and Education Award

Prize: \$50 and certificate

Criteria: Junior project which most effectively educates others about an environmental issue

Presentation and Aesthetics Award

Prize: \$50 and certificate

Criteria: Junior project which demonstrates a high level of visual appeal, creativity and overall quality of Presentation.

Helen Crawford Memorial Award

Prize: \$200

Criteria: A deserving project in Health Sciences, with preference given to projects related to the causes or treatment of cancer

IEEE Hamilton Section Award

Prize: Two prizes of \$100 each

Criteria: The best use of Electronics in a Science or Engineering project, any level

Intel Excellence Awards

for regional science fairs affiliated with the *Intel International Science & Engineering Fair*

Prize: Two prizes of \$200 (U.S.) each (to be forwarded after the fair.)

Criteria: The top Computer Science project that is the most innovative in computer science. Intermediate and senior projects only

International Science & Engineering Affiliated Fair Awards

for regional science fairs affiliated with the *Intel International Science & Engineering Fair*

Prize: certificates

Criteria: deserving intermediate and senior projects related to topics of interest to the following organizations
ASM Materials: outstanding exhibit in materials science.

American Meteorological Society: Best ability and creativity in an atmospheric science exhibit.

Association for Women Geoscientists: Project by female student(s) demonstrating high standards of innovativeness and scientific excellence in the geosciences.

International Society for Optical Engineering: Best use of optics or photonics principles.

MU Alpha Theta: Best project demonstrating the most challenging, thorough and creative investigation of a problem involving modern mathematics. The project does not have to be entered in the Mathematics category.

Society for In Vitro Biology: Most outstanding grade 11 project in the areas of plant or animal in vitro biology or tissue culture.

Ricoh Sustainable Development Award: Most outstanding two entries or one team project, selected among all the general award categories, whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses
Yale Science & Engineering Association: Most outstanding grade 11 student exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry.

Investigative Science Award

Prize: \$100

Criteria: The project that best demonstrate application of analytical chemistry, any project, any level

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SPECIAL AWARDS continued...

Keep Hamilton Clean Award

Prize: \$100

Criteria: The best project that best deals with matters in respect to littering, dumping, defacing property by means of illegal postings, graffiti, etc. and on generally keeping Hamilton clean

McMaster University Department of Chemistry Award

Prize: \$100 plus certificate

Criteria: An outstanding senior or intermediate project in the area of chemistry

McMaster Engineering Society Award

Prize: \$250

Criteria: Best junior engineering project.

McMaster University Faculties of Science & Engineering Tuition Awards

Prize: Five \$500 tuition awards, to be redeemed upon acceptance of successful admission to either of the Faculties of Science or Engineering.

Criteria: Excellent science or engineering projects.

The Mechanical Contractors Association of Hamilton Award

Prize: \$250

Criteria: Best intermediate or senior engineering project.

The Microsoft Canada – Sheridan College Sheridan College Institute of Technology and Advanced Learning

“You Can Make a Difference” Award

Prize: \$2000 plus \$2000 scholarship

For the best proposal describing a new piece of software or technology that uses software intended for use by a charity. A \$2000 cash award from Microsoft Canada and a \$2000 entrance scholarship to any full-time program at Sheridan College Institute of Technology and Advanced Learning. All BASEF student exhibitors are eligible, but a separate and prior submission on or before March 30, 2005 must be made. Single student submissions only. Not necessarily linked to submitter's BASEF 2005 project entry. The winning student may take advantage of assigned mentors from Microsoft and Sheridan to develop the idea for possible entry into BASEF 2006. Donors reserve the right not to award if sufficiently worthy submissions are not received.

Mechanical & Industrial Engineering Technology Awards

Prize: \$100

Criteria: Outstanding project related to industrial engineering or manufacturing, any level



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**Best wishes and good luck to
all the students participating
in the 2005 Bay Area Science
& Engineering Fair.**

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SPECIAL AWARDS continued...

Mohawk College Faculty of Engineering Technology Awards Building & Construction Sciences Awards

Prize: \$50

Criteria: deserving project related to any branch of civil engineering, any category, any level.

Prize: \$50

Criteria: deserving project related to planning, design, operation of any transportation mode or facility, any category, any level.

Prize: \$50

Criteria: deserving project related to building sciences, building materials, energy conservation in structures, any category, any level.

Chemical and Environmental Engineering Technology Awards

Prize: \$100

Criteria: One deserving intermediate or senior project related to applied chemistry.

Prize: \$50

Criteria: One deserving junior project in environmental studies.

Computer Science & Information Technology - Computer Excellence Award

Prize: \$50

Criteria: Project which demonstrates thorough understanding of computer applications and design in today's world.

Mechanical & Industrial Engineering Technology Awards

Prize: \$100

Criteria: Outstanding project related to industrial engineering or manufacturing, any level

Mohawk College Mathematics Awards

Prize: \$75 to each of two projects

Criteria: Deserving projects in the mathematics division, or any project from any division demonstrating a thorough understanding of statistics, any level.

Congratulations on your accomplishments!

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**Congratulations and
good luck
to all participants of
the 2005 Bay Area
Science and
Engineering Fair!**



JOHN DEERE

SPECIAL AWARDS continued...

National Science & Engineering Research Council (NSERC) Awards

Prize: \$200 to each of two projects.

Criteria: Deserving projects demonstrating innovative and creative research by the student.

Nelson Steel Awards

Prize: \$50 to each of three projects

Criteria: Outstanding projects related to each of the following fields: steel, environmental and chemistry.

Nicola Simmons Award in Cognition Studies

Prize: \$75

Criteria: An exemplary project in cognition studies.

Ontario Association of Medical Laboratories

Prize: \$100 to each of two projects

Criteria: For outstanding projects in the disciplines of biochemistry, chemistry, microbiology, toxicology, or forensic science and incorporating analytical laboratory methods. Any level

Primary Fluid Systems Awards

Junior or Intermediate Engineering Awards

Two prizes each of : \$250, \$150, \$100

Criteria: Deserving projects in junior or intermediate engineering.

Junior or Intermediate Physical Sciences Awards

Two prizes each of : \$125, \$75, \$50

Criteria: Deserving projects in junior or intermediate physical sciences.

Junior or Intermediate Earth & Environmental Awards

Two prizes each of : \$125, \$75, \$50

Criteria: Deserving projects in junior or intermediate earth & environment.

Professional Engineers of Ontario (Hamilton Local Chapter) Awards

Prize: 1st: \$150, 2nd: \$125, 3rd: \$75

Criteria: For top projects using the application of engineering skills, any level.

Professional Engineers of Ontario (Oakville Chapter)

Prize: \$50 to each of two projects

Criteria: Deserving engineering projects.

Procor Awards

Prize: Junior \$50; Intermediate \$100; Senior \$150

Criteria: Excellent engineering projects.

Ramanujan Mathematics Award

Prize: \$100 each for up to three projects

Criteria: Projects demonstrating a strong mathematical base.

Safety Management Systems Software Award

Prize: \$100 and a plaque

Criteria: A project that incorporates the innovative integration of programming code to analyze data or to operate a piece of equipment.

Science Teachers Association of Ontario Awards

Prize: \$75 to each of two projects.

Criteria: For the best projects in the Life Sciences Category demonstrating the best use of the scientific method.

The Tinnerman Palnut Canada Corporation Award

Prize: \$250

Criteria: For the best engineering project.

University of Ottawa Admission Scholarship

Prize: \$1000 entrance scholarship to University of Ottawa, Faculty of Engineering, Science and Health Sciences.

Criteria: To the top Senior Project in Science or Health Sciences. In the case of a group project, each student will receive an entrance scholarship of \$500.

Zonta Club of Hamilton Awards

Prize: \$300 will be shared by a limited number of projects.

Criteria: Outstanding projects by females, any category, any level.

MERIT AWARDS

sponsored by *Primary Fluid Systems*



Merit Awards recognize the tremendous amount of thought and effort that has gone into the projects entered into the BASEF Regional Science Fair. They are the result of an extensive judging process undertaken by up to 150 independent judging volunteers who have come forward from educational institutions, local government organizations, business and industry in our regions. All participants in the Bay Area Science and Engineering Fair are eligible to win Merit Awards.

The Awards are issued to projects that meet the following criteria:

Scoring:

over 90% and ranking in top 7.5% of division:

earns **Gold medal** & cash award

over 80% and next 10% of division:

earns **Silver medal** & cash award

over 75% and next 12.5% of division:

earns **Bronze medal** & cash award

over 75% and not in the top 30% of division:

earns **Honourable Mention** certificate & cash award

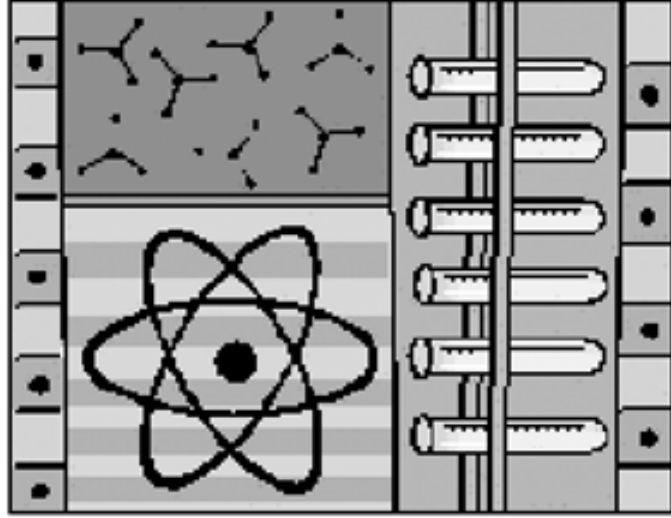
For Junior, Intermediate, Senior levels in the following divisions:

- Health Sciences (Human)
- Life Sciences (Non-human)
- Physical and Mathematical Sciences
- Biotechnology
- Engineering and Computing Sciences
- Earth & Environmental Sciences

The Mohawk College & Sheridan College Institute Tuition Scholarships

Mohawk College of Applied Arts and Technology & Sheridan College Institute of Technology and Advanced Learning will provide \$500 scholarships to ALL BASEF 2005 Merit Award Medal (Gold, Silver, Bronze) winners. The scholarship may be used toward first year tuition upon the recipients' acceptance and registration in any full-time program at either Mohawk or Sheridan. Multiple scholarships may not be accumulated. Only one of these scholarships may be used.

Proud to support the Bay Area Science and Engineering Fair



*“Opportunity is missed
by most people
because it is dressed
in overalls and
looks like work”*

Thomas A. Edison



Primary Fluid Systems Inc.

Burlington, Ontario
www.primaryfluid.com

GRAND PRIZE AWARDS

WINNERS OF GRAND AWARDS HAVE DESIGNED, RESEARCHED AND PRESENTED EXCELLENT PROJECTS.

ONTARIO TRILLIUM FOUNDATION PINNACLE AWARDS

BASEF's Pinnacle Awards are presented to each of the top three projects in the fair. These awards are based on the project's Merit Award score. Each winner receives an engraved plaque; trophies are awarded to the winners' schools.

THE DOFASCO PRIZES

The Pinnacle Award winners will each receive one of the Dofasco Prizes.

- Best in Fair: \$ 1000
- 2nd Best in Fair: \$ 600
- 3rd Best in Fair: \$ 400

ROY MIDDLETON AWARD

For the best Junior level project at the fair, a plaque to the winner's school.

2005 PFIZER CANADA AWARD OF EXCELLENCE

The top project from BASEF 2004 that is advancing to CWSF, will earn the 2005 Pfizer Canada Minister's Award of Excellence. The winning project will receive a cash award, a certificate, and a Gold Medal. The winner's school will receive an Award of Excellence plaque to keep.

HERB GILDEA MEMORIAL TROPHY

A trophy is awarded to the secondary school accumulating the most points. Points are earned from the number of projects entered from intermediate and senior levels of each school and those projects earning Gold, Silver, Bronze and Honourable Mention Merit Awards.

BASEF COMMITTEE TROPHY

A trophy is awarded to the elementary school accumulating the most points. Points are earned from the number of projects entered from the junior level of each school and those projects earning Gold, Silver, Bronze and Honourable Mention Merit Awards.



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July 4 – 8, 2005

GRAND PRIZE TRIP AWARDS

INTEL INTERNATIONAL SCIENCE & ENGINEERING FAIR TRIP AWARDS

All-expense-paid trips to the 2005 Intel International Science & Engineering Fair, to be held in Phoenix, Arizona, USA from May 8-14, 2005. Chosen from excellent secondary school (Intermediate & Senior level) projects, up to 4 trips, two singles and a pair project (dependant on funding levels), will be awarded. Winners must be able to travel into the USA (Canadian citizenship or landed immigrant status)

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CANADA WIDE SCIENCE FAIR TRIP AWARDS

All expense-paid trips to the 2005 Canada Wide Science Fair, to be held in Vancouver, British Columbia from May 15 to May 23, 2005. Up to 20 trips (dependant on funding levels) will be awarded for excellent projects. All projects entered in BASEF 2005 are eligible.

Sponsors are

- Boehringer Ingleheim
- Comstock Canada Ltd.
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- Community Awareness Emergency Response
- Deloitte Touche LLP
- Edward Oldham, P.Eng, Patent and Trademark Agent
- Gennum Corp.
- Halton District School Board
- Halton Catholic District School Board
- Halton Region, Business Development
- Hamilton Halton Construction Association
- City of Hamilton, Economic Development
- Hamilton-Wentworth Catholic District School Board
- Hamilton-Wentworth District School Board
- Optimist Club of Stoney Creek
- Sci-Tech Ontario
- Triple Crown Enterprises
- Union Gas



YOUTH SCIENCE
FOUNDATION CANADA
FONDATION SCIENCES
JEUNESSE CANADA

TEAM SCI-TECH ONTARIO

Along with all other Ontario CWSF trip winners, BASEF students awarded CWSF trips will be named to "Team Sci-Tech Ontario". Sci-Tech Ontario will provide each student's school a pennant-style banner appropriate for wall-hanging. Each Ontario CWSF trip-winner will receive team apparel jacket emblazoned with an embroidered 2005 Team Sci-Tech Ontario logo.





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Addendum to the Official Program

Bay Area Science and Engineering Fair 2005

Friends

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Special Awards

Dofasco Commercial Department Award

Prize: \$100

Criteria: Project that best displays the use of commercial and business planning tools in developing a potentially new or improved commercial product

Ramanujan Mathematics Awards

Prize: \$100 each for up to three projects

Criteria: Projects demonstrating a strong mathematical base.

Mohawk College Electrotechnology Award

Prize: \$50 for each 2 projects

Criteria: Deserving junior projects in Computer Engineering, Electronic/Electrical Instrumentation

Volunteers

Kelly Adams

Nelson Braganza

Sally Chopp

Laurie Dolan

Karen Dougherty

John Fairbridge

Christoph Green

Helen Martin

Erna Hiltmann-Montano

Lucia Li

Tina Preussner

Elaine Tauzon

Anne Marie Wheaton



**MDS Laboratory
Services**

Science Advancing Health

***Congratulations and good luck
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GHBN

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2005 BASEF

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Merit Award Judges

Barber, Ian
Retired
Beck, Robin
Retired
Billeci, Mena
Hamilton Health
Sciences, Education
Department
Bortolotto, Joanne
Capretta, Julie
Hamilton-Wentworth
District School Board
Chung, Stephen
Dofasco
Csets, Alisa
Eli Lilly
Pharmaceuticals Inc.

Feswick, Jeff D
Historia Building
Restoration Inc
French, Peter
Kiers, Alvin
Region of Halton,
Wastewater Treatment
Operations
Lewis, Justin
AVAR Environmental
Lopez, Ken
Luscombe, Matt
Dofasco Inc
McGuire, Maygan
Liburdi Engineering
McLean, Shannon
Dofasco Inc

Muslow, Elizabeth
Retired
Rosato, Matthew
JNE Automation Ltd
Sanders, Robert
Retired
Skolnik, Tomislav
Dofasco Inc
Surovisev, Elena
Design & Drafting Plus
Twyford, Darren
JNE Automation Ltd
Wald, Jerry
Retired

Special Award Judges

Ambitious City Toastmasters

Barbara Takasaki, Don Corrigan
City of Hamilton
Robert Plant

Dofasco

Sandy Coleman

Gowling Lafleur Henderson

Victor Buza

Hamilton Utilities Corp

Tom Fehr

Mohawk College

Cindy Mehlanbacher, Ishwar Singh,
Lory Vanderzwet

Procor Ltd

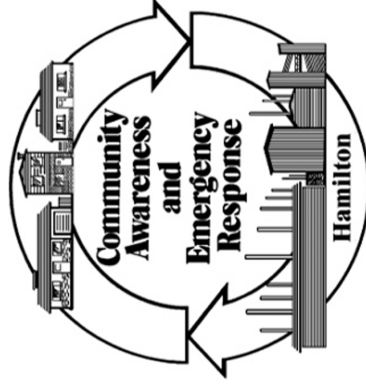
Dave Glenney, Dave Thorpe
Safety Management Systems Software
Brian Kinloch , Jonathon Kranyak

Organizing Committee

School Board Advisors: Halton DSB

Ron Ballentyne, Rasa Pruden

***Best wishes and good luck
to all BASEF 2005 participants!***



Community Awareness, and Emergency Response (CAER) is a community-based volunteer organization that has been established since 1980. CAER members plan, practice and co-ordinate activities to enhance safe operating practices and reduce the risk of emergency situations that could threaten the Hamilton-Wentworth Community.

www.hamiltoncaer.com