

**BASEF**  
Big Ideas.  
Infinite Possibilities.

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# BASEF 2026

Sponsored By:



Primary Fluid  
Systems Inc.

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*66<sup>th</sup> Annual Bay Area Science &  
Engineering Fair*

## **OFFICIAL PROGRAM**

Diamond Sponsors

*ArcelorMittal Dofasco  
Hillfield Strathallan College*

Rev7 | April 19th/2026



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# **BASEF Values**

## **Land Acknowledgement**

The Bay Area Science & Engineering Fair (BASEF) acknowledges its presence on the traditional territories of the Mississauga and Haudenosaunee nations, and within the lands protected by the “Dish with One Spoon” wampum agreement.

The catchment area of BASEF is home to many Indigenous people from across Turtle Island. We respect the longstanding relationships with local Indigenous communities, the Mississaugas of the Credit First Nation and the Six Nations of the Grand River. BASEF recognizes that we must do more to learn about the rich history of this land so that we can better understand our roles as residents, neighbours, partners and caretakers. For more information, visit [www.native-land.ca](http://www.native-land.ca).

## **Our Mission**

BASEF inspires young people to positively impact the world through science, technology, engineering and mathematics. BASEF provides opportunities for students to showcase their innovations and discoveries.

## **Our Vision**

There is engaged participation by all eligible students. Completing a STEM (Science, Technology, Engineering & Mathematics) project is a means to fulfill Ministry curriculum in elementary and secondary schools. Students realize that through STEM literacy, they can make a positive difference in the world. Scientific innovations and discoveries will be considered exciting, and students will make time for science fair projects because they will have opportunities and develop [21<sup>st</sup> Century Competencies](#).

## **Anti-Discrimination Policy**

BASEF prohibits and condemns discrimination of any type against students, judges, volunteers, and visitors, including on the basis of race, colour, national or ethnic origin, religion, sex—including sexual orientation and gender identity/expression—genetic information, age, (dis)ability, or any other characteristic that is protected under the Canadian Charter of Rights and Freedoms.

# Message from Hillfield Strathallan College



Welcome to the 2026 Bay Area Science and Engineering Fair. Hillfield Strathallan College is thrilled to host this prestigious event and we extend a warm welcome to all the brilliant young scientists and engineers joining us today. Congratulations on being selected—your presence here is a testament to your hard work, creativity, and dedication to scientific inquiry.

At HSC, we share BASEF's passion for fostering a love of learning and providing opportunities for students to explore their interests through challenging and enriching experiences. We've witnessed firsthand the incredible journey of discovery that participation in BASEF provides, and we're incredibly proud to support this vital program.

For 66 years, BASEF has been a launchpad for innovation, bringing together hundreds of talented students from across the region. The dedication and ingenuity displayed by participants are truly inspiring, and we're excited to see the groundbreaking projects you've brought to this year's fair. Many of you will go on to represent our region at the Canada-Wide Science Fair and the International Science and Engineering Fair, and we wish you the very best in those future endeavours.

The success of BASEF is a direct result of the incredible support from our community. Thank you to our sponsors, judges, volunteers, parents, and teachers. Your commitment to nurturing the next generation of scientists and engineers is invaluable.



We are delighted to be your hosts this year and we hope you have a rewarding and memorable experience at HSC. Regardless of the outcome, remember that you've already achieved something remarkable by being here. We are confident that you will continue to achieve great things and inspire us all with your passion for STEAM.

Best of luck, and we look forward to seeing the future of science and engineering unfold before us!

Sincerely,

**Marc Ayotte**  
Head of College, Hillfield Strathallan College

# BASEF Chair's Message



## Welcome to the Bay Area Science and Engineering Fair!

It is my great pleasure as Chair of BASEF to welcome students, families, judges, sponsors, and volunteers to another exciting year of innovation and discovery. Each project on display represents months of hard work, problem-solving, and a genuine passion for learning.

As you explore the projects presented by our students, I encourage you to take the time to ask questions and hear the stories behind the research. These young scientists, engineers, and innovators have demonstrated remarkable creativity, resilience, and critical thinking.

BASEF thrives because of the generosity of our sponsors and donors. Your continued support creates meaningful opportunities for students to challenge themselves, share their ideas, and connect with the broader STEM community.

We are especially grateful to our Title Sponsor, **Primary Fluid Systems Inc.** Thank you for investing in our youth and supporting the spirit of learning, collaboration, and innovation in STEM.

Our sincere thanks also go to our long-standing Diamond Level Sponsor, **ArcelorMittal Dofasco**, whose ongoing commitment strengthens our ability to deliver a high-quality regional fair.

We are proud to once again be hosted by **Hillfield Strathallan College**. Thank you for opening your campus and supporting an environment where young minds can thrive.

As a fully volunteer-led registered charity, BASEF depends on the dedication of our 22-member Organizing Committee. Their professionalism and countless hours behind the scenes make this event possible.

Thank you for being part of BASEF 2026. May today spark new ideas, encourage bold thinking, and inspire the next generation of leaders in science and engineering.

Sincerely,

**David Reed**  
BASEF 2026 Chair

# BASEF 2026 Organizing Committee

## BASEF Chairs

<b>2026 Chair</b> .....	David Reed
<b>Chairs Emeriti</b> .....	Dana Bee (2019-2025), Dan Bowman (2016-2022), Sue Olynyk (2003-2005), Ingrid Scully (2015-2020)

## Finance

<b>Treasurer</b> .....	Eleanor O'Flynn, C.P.A., C.A.
<b>Budget</b> .....	David Reed
<b>Fundraising</b> .....	Dana Bee (Chair) Dan Bowman, Ben Gulak, Sue Olynyk

## BASEF Meetings

<b>Recording Secretary</b> .....	John Colenbrander
<b>Meeting Meals</b> .....	Chris Kutteneuler & Selma Woods

## 2026 Fair

<b>Fair Facilities</b> .....	Mark Simpson (Lead) David Reed
<b>Registrar</b> .....	George Geczy
<b>Judging</b> .....	Donna Stack-Durward (Judge-In-Chief) Caroline Mahut, Jane Wood
<b>Scientific Review Committee</b> ...	David Reed & Donna Stack-Durward (ex officio) Dana Bee, Dan Bowman, Katie Brent, Robert Brown, George Geczy, Ryan LaRue, Francine McCourt
<b>Safety Inspections</b> .....	Janet Schaefer (Lead) Mark Simpson
<b>Special Awards Coordinators</b> ...	Cathy Hayman, Eleanor O'Flynn (Leads) Poonam Benprajapati
<b>Volunteer Coordinators</b> .....	Victoria Lee (Lead) Dana Bee, Mark Simpson
<b>Outreach &amp; Bursaries</b> .....	Dana Bee (Lead) Chris Kutteneuler, Ingrid Scully
<b>Activity Morning</b> .....	Katie Brent & Evan Budz
<b>Awards Ceremony Team</b> .....	Gerard Chiasson (Lead) Dana Bee, Dan Bowman, Wayne Bowdish, George Geczy, Ryan LaRue, Sue Olynyk
<b>Awards Ceremony Emcees</b> .....	Chris Blackwood & Cathy Hayman
<b>Fair Food</b> .....	Chris Kutteneuler & Selma Woods
<b>Student Advisors</b> .....	Liam McDermott, Jasmine Wang, Annie Wong

## BASEF Brand Committee

<b>Brand Director</b> .....	Ryan LaRue
<b>Photography &amp; Graphics</b> .....	Wayne Bowdish
<b>Social Media &amp; Marketing</b> .....	Maya Clapperton, George Geczy, Student Advisors
<b>Website</b> .....	Wayne Bowdish, George Geczy
<b>Program Editorial</b> .....	Dana Bee, Eleanor O'Flynn, Sue Olynyk

**Information Systems & Technology**

**IS/IT** .....Gerard Chiasson & George Geczy

**Canada-Wide Science Fair (CWSF) & International Science and Engineering Fair (ISEF) Delegations**

**CWSF** .....Dan Bowman (Regional Coordinator & Lead Delegate)  
 Caroline Mahut (Lead Chaperone)  
 George Geczy, Adrienne Hol, David Reed

**ISEF** .....Dana Bee (Fair Director)  
 Dan Bowman

**Host Venue Liaisons**

**Hillfield Strathallan College** .....Celeste Settle  
**Ancaster Memorial Arts Centre** ....Bethany Bysma & Joshua Coulter

**School Board Liaisons**

**BHNCDSB** .....Vacancy  
**GEDSB** .....Vacancy  
**HCDSB** .....Matt Kovacs  
**HDSB** .....Lisa Ashenhurst, Sarah Patterson  
**HWCDSD** .....Jennifer Townsend  
**HWDSB** .....Reg Varghese  
**Six Nations** .....Vacancy

**School Boards:**

**BHNCDSB** Brant Haldimand Norfolk Catholic District School Board  
**GEDSB** Grand Erie District School Board  
**HCDSB** Halton Catholic District School Board  
**HDSB** Halton District School Board  
**HWCDSD** Hamilton-Wentworth Catholic District School Board  
**HWDSB** Hamilton-Wentworth District School Board



**Interested in joining our team?**

BASEF is always looking for new recruits to volunteer on our organizing committee! Our members have a wide range of backgrounds and skillsets which we need to run our annual fair: scientists, engineers, accountants, financial professionals, businesspeople, educators, and so on. If you would like to be a part of our dynamic team for BASEF 2027, please reach out to [chair@basef.ca](mailto:chair@basef.ca).

*“Somewhere,  
something incredible  
is waiting to be known”*

*Carl Sagan*



**PRIMARY FLUID SYSTEMS INC.**

[www.primaryfluid.com](http://www.primaryfluid.com)

Proud to be the BASEF Title Sponsor since 2021

# BASEF 2026 Schedule of Events

BASEF 2026 is held at *Hillfield Strathallan College* ("HSC") and the *Ancaster Memorial Arts Centre* ("AMAC"). See the maps on the next pages.

## **Wednesday, March 11<sup>th</sup>: Registration, Project Setup, & Safety Check**

<b>4:00-8:00 pm</b>	On-site registration, setup, and project safety checks are performed.	<b>HSC</b>
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## **Thursday, March 12<sup>th</sup>: Activity Morning & Project Judging Day**

<b>9:00-9:20 am</b>	Students arrive at HSC and are seated in the theatre for Activity Morning. Note: it is the responsibility of the students to arrange their own transportation to and from the venue.	
<b>9:30 am-12:00 pm</b>	Activity Morning will feature an exciting line-up of events prepared especially for our BASEF participants. See below!	
<b>12:00-1:00 pm</b>	Students eat lunch at their projects.	<b>HSC</b>
<b>1:00-4:00 pm</b>	Judging interviews for BASEF students. BASEF participants must remain at their projects during judging.	
<b>4:00 pm</b>	Students are dismissed and must arrange their own transportation home.	

## **Saturday, March 14<sup>th</sup>: Public Viewing**

<b>9:00 am-12:00 pm</b>	Students are asked to be at their projects until the end of the viewing.	<b>HSC</b>
<b>12:00-12:15 pm</b>	Project take-down. All projects <u>must</u> be removed by 12:15 pm.	

## **Tuesday, March 24<sup>th</sup>: Awards Ceremony**

<b>6:30 pm</b>	Seating opens for the Awards Ceremony	
<b>7:00-9:30 pm</b>	Awards Ceremony	<b>AMAC</b>
<b>9:30-10:30 pm</b>	Meeting with chaperones for trip winners and their parents	

## Activity Morning Program

▶ **9:00 AM to 9:25 AM** *HSC theatre doors open*

▶ **9:30 AM to 10:00 AM** *"Where Do Emoji Come From?" with Steve Hayman*

The Egyptians used hieroglyphics to convey messages through pictures. Now, we use colourful symbols called emoji. How did that happen? Who decides which emoji we can use? How do computers and phones encode and store these? Today, there is no trombone emoji, but there will be very soon. And if you have an idea for a new one, how do you convince the world to adopt it?

▶ **10:05 AM to 10:25 AM** *Interactive Gameshow*

Put your knowledge to the test with this science-themed gameshow! Participants will represent their teams and compete against one another for a chance at Activity Morning glory.

▶ **10:30 AM to 10:50 AM** *BASEF Alumni Panel ft. Alex Bercik, Erik Bercik, Ben Gulak, & Lily Song*

Hear firsthand from past BASEF participants about their journeys into post-secondary STEM education and industry! Panelists will share key lessons and their practical advice and provide answers to student questions in an interactive Q&A session. See below for panelist bios.

▶ **10:55 AM to 11:10 AM** *Collaborative Problem-Solving Puzzles*

Collaborate with others on these exciting, mentally stimulating puzzles, and have the opportunity to share your solutions along the way!

▶ **11:15 AM to 12:00 PM** *Magic of Molecules by Dr. Paul Harrison*

Watch magic unfold before your eyes with this chemistry show prepared by the McMaster University Department of Chemistry & Chemical Biology and learn about the science that makes it all possible.

▶ **12:00 PM to 1:00 PM** *Lunch*

**Alex Bercik** participated in BASEF in 2011 and 2012, advancing to CWSF in both years. He later studied Physics and Mathematics at the University of Toronto and is currently completing a PhD at the Institute for Aerospace Studies where his research focuses on developing numerical methods for simulating fluid flows. He is expected to defend his PhD in 2026.

**Erik Bercik** has been involved with BASEF since middle school and represented BASEF at the 2012 Canada-Wide-Science-Fair held in Prince Edward Island. Following studies in Architecture and Visual Design, and through connections made at the fair, he entered the world of Game Design. He is currently completing his degree at Sheridan College. Erik continues to work with BASEF as a volunteer photographer.

**Lily Song** is a BASEF alumna from 2024, representing team Canada at ISEF 2024. Her project focused heavily on embedded systems and has since continued exploring a variety of technology fields, including design, gaming, and data science. She is currently studying Computer Science at the University of Waterloo.

## Information for Parents

Congratulations on your decision to support your child's participation in BASEF! All BASEF student participants are rewarded with an enriching experience. Along with receiving a digital certificate of achievement, students gain the opportunity to meet like-minded individuals: BASEF judges, community stakeholders, other top students, and people working in the STEM field. In addition, BASEF gives cash prizes, awards, and scholarships. Our top winners earn the chance to participate in an expense-paid trip to either the national (CWSF) or international science fair (ISEF). Be sure to visit the BASEF website ([www.basef.ca](http://www.basef.ca)) throughout the year and subscribe to our social media (see below). You will find project pictures and abstracts from last year's fair, resource materials, updates from our BASEF winners as they compete at the national/international levels, and important information about the next Fair.

- ▶ **Location of Events:** Projects will be set up in the *HILLFIELD STRATHALLAN COLLEGE (HSC) Athletic Complex* King and Siggie Gyms located at 299 Fennell Ave W, Hamilton. The Awards Ceremony will be held in the *ANCASTER MEMORIAL ARTS CENTRE*, located at 357 Wilson St. E., Ancaster. 🚗 Parking considerations are highlighted below.
- ▶ **Health Considerations:** In the spirit of being considerate towards others, we ask that you stay home if you are ill and wear a face mask if you have been ill recently. Attendees may choose to wear a face mask pursuant to other personal circumstances, though BASEF will not mandate the use of a face mask at this year's Fair.
- ▶ **Dress Code:** We suggest neat and casual, with the emphasis on "neat".
- ▶ **Food Allergies and Medical Issues:** We ask that you remind the BASEF volunteers at the Registration desk of any food allergies or special medical issues that pertain to your children. BASEF should be considered a public facility with regards to food allergies.
- ▶ **Revisions and Changes to the Program:** Any changes or revisions to this year's Fair will be posted on the BASEF website, added to this official program, and announced at the Fair. The latest version of this program can be downloaded from our website at [www.basef.ca/program2026](http://www.basef.ca/program2026).

### Parent Responsibilities: Day-by-Day

▶ **Day 1: Registration & Setup.** Wednesday, March 11<sup>th</sup>, 2026 @ 4:00-8:00 pm

- Project setup is only available during this period at the *HILLFIELD STRATHALLAN COLLEGE (HSC) Athletic Complex*. The entire process typically takes less than an hour.
- 🚗 Parents are encouraged to park in the North Lot (see map on pg. 13). If this lot is full, the South Lot is also available. Parking at HSC is free of charge. From there, you and your student(s) will carry their project into the HSC Athletic Complex. Volunteers and signage will help to guide you.
- Your child will visit a registration desk and find out their assigned display area.
- After the project is set up, one of our safety inspectors will ensure that the project meets all safety guidelines. Students cannot leave until their project has passed their safety check.
- Projects not set up by 8:00 pm will be deemed as "no shows" and will not be judged the next day.



**Important! If you leave valuables at your project overnight, you do so at your own risk.** HSC and BASEF are not responsible for missing or broken items. All items to be exhibited at a project must pass a safety check on the evening of Registration. A student may bring valuables home with them for the night after their safety check, however, they will not be able to return the items to their project display until after Activity Morning on Judging Day (see below). While the students participate in Activity Morning, judges will be visiting the project displays; therefore, it is advised that any items critical to a student's project should be left at their display following registration/safety check.

► **Day 2: Student Arrival for Activity Morning.** Thursday, March 12<sup>th</sup>, 2026 @ 9:00-9:25 am

- Parents must arrange transportation for student(s) to/from HSC. Activity Morning will start at 9:30 am so we recommend that students arrive and are settled before that time. Please do not drop students off before 9:00 am as BASEF/HSC cannot provide the appropriate supervision.
- **P** You may use the "Foxcroft Circle" (see map on pg. 13) as a temporary drop-off zone. Note that parking inside the Circle is not permitted as it is a fire route.
- Volunteers and signage will guide students to the HSC theatre for an exciting morning of activities.
- Following Activity Morning, students will have time to eat their lunches from 12:00 to 1:00 pm at their projects in the HSC Athletic Complex. There are no food vendors available onsite, so students must bring lunch with them. Note that utensils/microwaves/etc. also will not be available.

► **Day 2: Afternoon Judging.** Thursday, March 12<sup>th</sup>, 2026 @ 1:00-4:00 pm

- Judging starts at 1:00 pm, sharp. Usually, students will be interviewed by at least four judges.
- Teachers and parents are not permitted on the gym floor during judging. Students may not receive any form of coaching from parents/teachers/etc. during this judging period.

► **Day 2: Post-Judging Period.** Evening of Thursday, March 12<sup>th</sup>, 2026, beyond 4:00 pm

- After the judging period has finished at 4:00 pm, students will be dismissed in an orderly fashion. Please make transportation arrangements for your student(s) to leave HSC promptly.
- **P** As before, parents can park in the HSC North Lot to pick up their students. Parking is not permitted in the Foxcroft Circle, but it can be used as a temporary pick-up zone (see map on pg. 13).
- The Fair is not open to students or the public during the evening of March 12<sup>th</sup>.

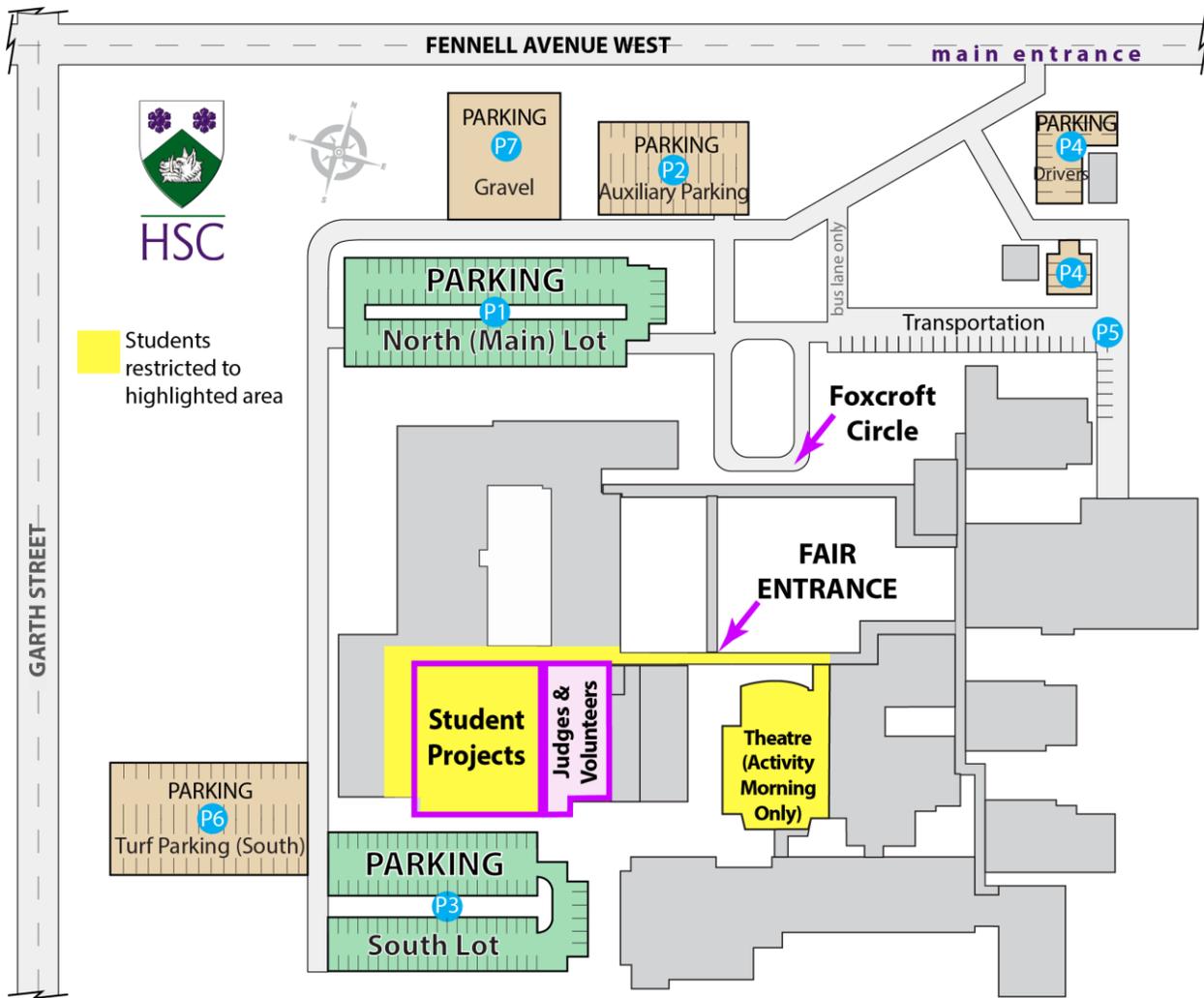
► **Day 3: Public Viewing.** Saturday, March 14<sup>th</sup>, 2026 @ 9:00 am-12:00 pm

- Your student(s) must be at their projects in the HSC Athletic Complex for the Public Viewing period.
- We strongly recommend that you also attend the Public Viewing with your student(s). Better yet: invite your family and friends, too! It will give you an opportunity to view all the great projects on display and to see your own student giving presentations for visitors.
- **P** Parking is free for everyone, and both the HSC North and South Lots should be used.
- Projects must not be removed until the end of the Public Viewing. You must arrange to take down your project between 12:00-12:15 pm. After this time, projects will be removed and discarded by the volunteer staff.

► **Awards Ceremony.** Tuesday, March 24<sup>th</sup>, 2026 @ 7:00-9:30 pm

- The Awards Ceremony is the culmination of the Fair where we recognize the hard work of students. It will be held at the *ANCASTER MEMORIAL ARTS CENTRE* at 7:00 pm sharp.
- **P** Parking is available at the locations noted on the map on pg. 14. On-site parking fills up quickly, but public lots are available nearby.
- **It is recommended to come early as seating is very limited this year.** Doors will open at 6:30 p.m.
- Students will be asked to sit near the front of the Theatre to facilitate the distribution of awards.
- Each of our Trip Award Winners and their parent(s) are required to attend an information meeting immediately after the Awards Ceremony (approximately one hour).
- Concessions are available at the venue for purchase.

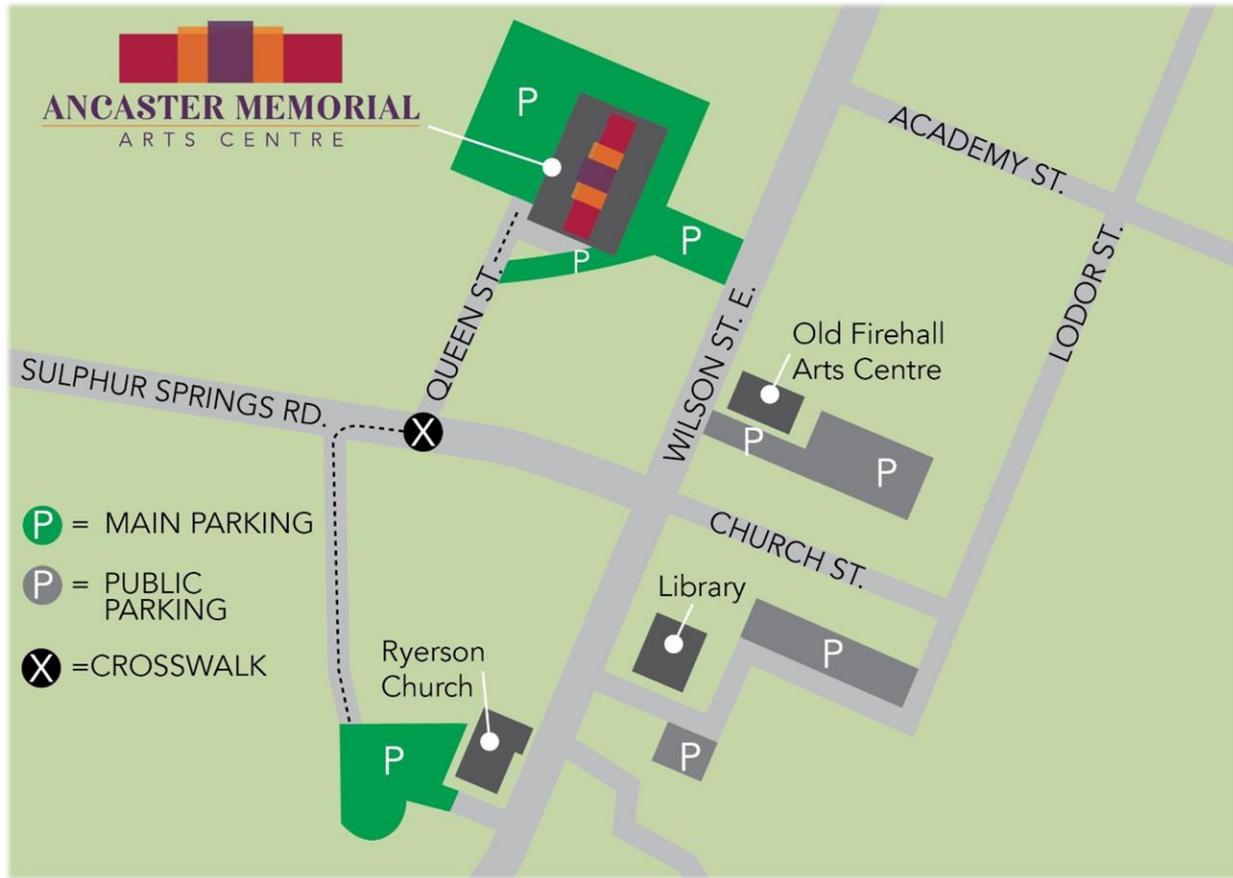
# Map: Hillfield Strathallan College



The digital program will be periodically updated over the course of the Fair to reflect the most up-to-date information. The most recent version of the program can be downloaded from our website at: [www.basef.ca/program2026](http://www.basef.ca/program2026).

We have taken every effort to ensure that the information presented in this digital program is accurate. If you are aware of an error or omission, please let us know by contacting Ryan LaRue at [Ryan.LaRue@basef.ca](mailto:Ryan.LaRue@basef.ca).

## Map: Ancaster Memorial Arts Centre



**Biofuelling the Future.** The BASEF 2026 t-shirt graphic recognizes the role that biofuels play in the transition to a cleaner energy system, providing alternatives to fossil fuels in sectors that are difficult to electrify, such as aviation, shipping, and heavy transport. Produced from organic materials like agricultural residues, waste oils, and dedicated energy crops, biofuels can significantly reduce lifecycle greenhouse gas emissions when sourced and processed sustainably, especially when renewable sources of energy like wind and solar are used in their production. They also enhance energy security by diversifying supply and supporting local agricultural economies. While they are not a standalone solution, biofuels complement electrification, hydrogen, and efficiency improvements, forming part of a balanced strategy toward a more resilient, low-carbon future.

# **BASEF 2026 Sponsors & Charitable Donors**

## **General Funding Sponsors**

### **Title (\$25,000+)**

Primary Fluid Systems Inc.

### **Diamond (\$10,000+)**

ArcelorMittal Dofasco

Hillfield Strathallan College

### **Platinum (\$5,000+)**

### **Gold (\$2,500+)**

Ancaster Memorial Arts Centre

Enbridge

Markette Ventures

Mohawk College

Sun-Canadian Pipe Line

### **Silver (\$1,000+)**

Burlington Hydro

Canadian Linen & Uniform Service

Eruption Capital

Fox Group - IG  
Private Wealth Management

Halton Catholic District  
School Board

Halton District School Board

Hamilton-Wentworth Catholic  
District School Board

Hamilton-Wentworth District  
School Board

McMaster University

Ontario Power Generation

Rotary Club of Ancaster AM

Taylor Leibow  
Accountants & Advisors

### **Bronze (\$500+)**

Denninger's

NewAE Technology Inc.

Mysys

Optimist Club of Stoney Creek

Society of Tribologists & Lubrication  
Engineers - Hamilton Chapter

Staples Ancaster

Synapse Life Science Consortium

### **Friends (\$250+)**

Electrical Contractors Association  
of Niagara Hamilton

Icor Group Ltd.

Nikola Tesla Educational Corp.

## Charitable Donors

- ▶ *Sir Frederick Banting and Dr. Charles Best were the co-discoverers of insulin used in the treatment of diabetes. In 1923, Dr. Banting was awarded the Nobel Prize in Medicine.*
- ▶ *Dr. Roberta Bondar was the first Canadian woman to have flown in space as an international astronaut on board the Space Shuttle Discovery. Dr. Bondar is a trained physician, scientist, astronaut, and photographer.*
- ▶ *Dr. John Charles Polanyi won the 1986 Nobel Prize for chemistry for using chemiluminescence of molecules to explain energy relationships in chemical reactions.*
- ▶ *Elsie McGill was Canada's first woman graduate in electrical engineering. She also held a master's degree in aeronautical engineering. She is considered the first woman to be a designer of airplanes.*

### Banting & Best Level (\$1,000+)

Peter Child

Robert Donaldson

Ben Gulak

Ken & Sylvie Gulak

Steve & Cathy Hayman

Rita Kops

### Bondar Level (\$500+)

D.E.N.M. Engineering

Eudora LeBlanc

Peter & Sue Olynyk

### Polanyi Level (\$200+)

Dan & Debbie Bowman

Nick & Helen Efthimiadis

Family of Annie Gong

Dr. Ryan LaRue

John & Eleanor O'Flynn

Dr. Nicola Simmons

Jane Wood

### McGill Level (\$50+)

Jim Casey

Linda Millar

Janet Schaefer

**Notes:** Those donating in-kind services help us provide an exceptional experience for BASEF participants. Key donations can include facility space, accounting, and teamwear. In addition to those listed above, BASEF also has donors who wish to remain anonymous.



“Many thanks to the organizations and individuals who supported BASEF this year. Your cash and in-kind contributions help ensure we can continue providing this opportunity to as many students across our region as possible. Your support is truly appreciated.

If your organization is built on science, applied science, mathematics, or engineering, supporting BASEF is a meaningful way to invest in the next generation. Through their projects, students develop confidence while strengthening their presentation and communication skills. Experiences like BASEF spark curiosity and help inspire the future-ready workforce our communities depend on.

If you or your company are interested in supporting the fair, I am always happy to have that conversation. BASEF can be supported

through charitable cash donations or in-kind contributions such as printing, website design, or travel support.

Your contribution has a direct and lasting effect on student confidence, STEM skill development, and future career paths. Supporting BASEF means investing in the future innovators, researchers, engineers, and problem-solvers of our region.”

**- Dana Bee, Fundraising Chair**

## Become a Supporter of BASEF

BASEF is entirely volunteer run. We receive no financial compensation for our efforts and no funding from federal or provincial governments. Donors like you are needed to provide BASEF’s funding each and every year so that students can participate free of charge.

Should you wish to contribute to BASEF as a charitable donor, three options are available:

1. **Send your donation via e-transfer** to [Treasurer@basef.ca](mailto:Treasurer@basef.ca). We are not set up for direct deposit, so please use “BASEF2026” as your security answer. Please also include your contact details with the e-transfer.
2. **Make a secure donation via PayPal Giving Fund** through our website:

<https://www.basef.ca/donate/>

3. **Mail a cheque** made payable to “Bay Area Science & Engineering Fair”:

*Bay Area Science & Engineering Fair  
c/o BASEF Treasurer  
143 Hyde Park Ave  
Hamilton ON, L8P 4M8*

**BASEF is a registered charity** (BN 11895 1565 RR0001), so you may request a tax receipt for income tax purposes. Please reach out to [treasurer@basef.ca](mailto:treasurer@basef.ca) for more information. Some charitable donors choose to remain anonymous, while others are acknowledged at the earliest opportunity in our Digital Program, on our Jumbotron screen, and during the Awards Ceremony. Just let us know your preference.

If your **place of business** would like to become a BASEF sponsor, please reach out to [fundraising@basef.ca](mailto:fundraising@basef.ca) for more information and our sponsorship schedule. We would be happy to work with you. Support of a regional science fair is an excellent avenue for your organization to reach out into the community which you serve. You are helping the youth of this community to develop into scientifically and technologically-prepared adults for the workforce of tomorrow. For more information about BASEF sponsorship, please visit our website at the link below:

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# BASEF 2026 Awards

## **ArcelorMittal Dofasco Merit Awards**

Merit Awards recognize the tremendous amount of thought and effort that has gone into the projects entered in BASEF. They are the result of an extensive judging process undertaken by over 150 independent judging volunteers who have come forward from educational institutions, local government organizations, businesses, and industries in our region. All participants in BASEF are eligible to win Merit Awards. The Awards are given to deserving projects at Junior (7/8), Intermediate (9/10), and Senior (11/12) levels in:



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

Scoring for Merit Awards typically proceeds as follows:

- ▶ A score  $\geq 90\%$  or higher earns a Gold Medal and a cash award
- ▶ A score  $\geq 80\%$  (but less than 90%) earns a Silver Medal and a cash award
- ▶ A score  $\geq 75\%$  (but less than 80%) earns a Bronze Medal and a cash award

## **Grand Awards**

### **Primary Fluid Systems 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 and a cash award. Trophies are sent to the winners' schools.



*Best-in-Fair: \$1,000*



*2<sup>nd</sup> Best-in-Fair: \$800*



*3<sup>rd</sup> Best-in-Fair: \$500*



**Drs. Ranjan Sur and Monalisa Sur Award**

- ▶ The best Intermediate (9/10) or Senior (11/12) project at the fair. The winning student’s school receives a plaque.



**Roy Middleton Memorial Award**

- ▶ The best Junior (7/8) project at the fair. The winning student’s school receives a plaque.



**BASEF Committee Trophy**

- ▶ This trophy is awarded to the elementary school accumulating the most points. Points are earned from the number of projects entered from the Junior (7/8) level of each school and the projects earning Gold, Silver, and Bronze Merit Awards.



**Herb Gildea Memorial Trophy**

- ▶ This trophy is awarded to the secondary school accumulating the most points. Points are earned from the number of projects entered from the Intermediate and Senior levels of each school and those projects earning Gold, Silver, and Bronze Merit Awards.



***Bursaries***

Each year, BASEF runs an outreach program where we provide financial assistance to students through a bursary prior to the year’s Fair. Bursaries of \$40 each may be awarded to Grade 7-12 students in BASEF’s catchment area to assist with project-related expenses. Students, and teachers in care of students, can [apply by filling out a form on our website](#).



## Grand Prize Trip Awards

### 2026 Regeneron International Science and Engineering Fair (ISEF)

- ▶ Up to five projects (depending on funding level) will be chosen from excellent exhibits at the secondary school level (Intermediate & Senior) to advance to ISEF, which will be held from May 9-15<sup>th</sup>, 2026. Eligible winners of ISEF trip awards will receive an expense-paid trip to the Fair in Phoenix, Arizona to present their projects amongst some of the brightest young minds from around the world.



#### Sponsored By:



Hillfield Strathallan College  
Learn with Joy. Live with Purpose.



### 2026 Canada-Wide Science Fair (CWSF)

- ▶ Up to 17 students (depending on funding) will be chosen from excellent exhibits to advance to CWSF, which will be held May 23-30<sup>th</sup>, 2026. All projects at BASEF 2026 are eligible to advance to CWSF. Winners of CWSF trip awards will receive an expense-paid trip to Edmonton, Alberta to present their projects.



#### Sponsored By:



# Special Awards

*“We are truly grateful for the support from our numerous community organizations, businesses and individuals who contribute Special Awards to BASEF, making it successful year after year. Your contributions are helping to ignite curiosity, inspire innovation, and empower young minds to explore the wonders of science.*

*This year, we are pleased to announce over 110 special awards, amounting to over \$20,000 in cash and \$15,000 in academic scholarships. Your donations have played a vital role in reaching this milestone, further solidifying BASEF’s position as a platform that promotes excellence in scientific exploration.*

*Your generosity is not just an investment in education: it’s an investment in the next generation of changemakers.”*

**Cathy Hayman**  
Special Awards Coordinator



**Eleanor O’Flynn**  
Special Awards Coordinator



Special Awards are given by organizations and groups to recognize deserving projects that deal with topics of interest to the donor. These organizations and groups are encouraged to provide their own judges for their awards. These judges are indicated to the right of the award listings. In cases where no external judges are recommended, BASEF is happy to provide its own judges for those awards. We appreciate the generosity of our Special Awards donors and judges!

Special Awards	Judges
<p><b>Artistically Inspired Display Awards</b></p> <p>Prizes: Two awards of \$50 each</p> <p>Criteria: To the most artistically inspired display.</p>	<p>Caitie Booth Cathy Hayman Steve Hayman Tyler Collins</p>
<p><b>Association for Iron &amp; Steel Technology Northern Chapter Awards</b></p> <p>Prizes: 1<sup>st</sup> \$250    2<sup>nd</sup> \$150    3<sup>rd</sup> \$100</p> <p>Criteria: For outstanding projects related to one of the following fields: metallurgy, materials science, chemical, electrical, mechanical, industrial, environmental, civil and computer engineering.</p>	<p>Shannon Clark</p>
<p><b>BASEF Inspiration Student Awards:</b></p> <p>Prizes: \$500 awards</p> <p>Criteria: Awarded based on merit judging marks to top projects that win \$250 or less in other prizes and have not previously won a BASEF Inspiration Award.</p>	<p>BASEF</p>

Special Awards	Judges
<p><b>BASEF Inspiration Teacher Award:</b></p> <p>Prize: \$500 award</p> <p>Criteria: The BASEF Inspiration Teacher Award may be presented to a teacher from a school which is new* to BASEF. Eligible teachers must have two or more projects displayed and judged at the Fair. The award is to be used in the classroom at the winning teacher's discretion.</p> <p><i>*Schools without BASEF projects for at least 5 years</i></p>	<p>BASEF</p>
<p><b>Canadian Institute of Mining, Metallurgy and Petroleum (Hamilton Branch) Awards</b></p> <p>Prizes: Two awards of \$100 each</p> <p>Criteria: Outstanding projects relating to mining, metallurgy and petroleum, any level.</p>	<p>Shannon Clark</p>
<p><b>Canadian Meteorological and Oceanographic Society Awards</b></p> <p>Prizes: 1<sup>st</sup> \$100 2<sup>nd</sup> \$50</p> <p>Each winner receives a one-year free CMOS Membership.</p> <p>Criteria: Best projects in meteorological and/or oceanographic sciences (weather, air quality, climate, climate changes and/or the oceans).</p>	<p>Dominique Brunet</p>
<p><b>Canadian Nuclear Society (Golden Horseshoe Branch) Awards</b></p> <p>Prizes: Two awards of \$125 each for intermediate or senior projects and two awards of \$75 each for junior projects.</p> <p>Criteria: Projects relating to nuclear science and engineering, energy research, or climate sciences.</p>	<p>Bafrin Ali Colby Arsenault Camille Gillespie</p>
<p><b>Chair's Award</b></p> <p>Prize: \$100</p> <p>Criteria: A project that exhibits good scientific, engineering or mathematical thought.</p>	<p>BASEF</p>
<p><b>Chemical Institute of Canada - Hamilton Section Awards</b></p> <p>Prizes: Three awards of \$100 each</p> <p>Criteria: Projects relating to chemistry, chemical engineering, or chemical technology.</p>	<p>Don Barclay Tom Sutton</p>
<p><b>Conservation Halton Awards</b></p> <p>Prizes: Two awards of \$100 each</p> <p>Criteria: Projects that contribute to environmental research, protection, conservation, restoration or awareness by Halton students.</p>	<p>Christine Bowen Amanda Draves Tamanna Kohi</p>
<p><b>Dillon Consulting Limited Science and Engineering Award</b></p> <p>Prize: \$250</p> <p>Criteria: Project showing excellence in science and/or engineering.</p>	<p>Stephen Beck Chris Graham Caitlin Vandermeer</p>

**Special Awards**
**Judges**
**Dillon Consulting Limited, Continued...  
Biological Sciences Award**

Prize: \$250  
Criteria: Project showing excellence in biological sciences.

**Doris Casey and Gwen Nicolls Disability Solutions Awards**

*Jim Casey  
Al Nicolls*

Prizes: Two awards of \$100 each  
Criteria: Most innovative and creative technical solutions focused on assisting individuals to overcome or compensate for physical or cognitive disabilities.

**Dr. Colin J.L. Lock Memorial Chemistry Award**

*BASEF*

Prize: \$100  
Criteria: An outstanding project involving chemistry, especially crystals.

**Dr. Laura Blew Social Sciences Awards**

*BASEF*

Prizes: Two awards of \$100 each  
Criteria: Projects that best demonstrate an understanding of the scientific process as it applies to social sciences issues.

**Dr. M. Doyle Biology Award**

*BASEF*

Prize: \$250, a plaque, and a trophy for the winner's school  
Criteria: Best biology project.

**Dr. Nicola Simmons Award in Cognition Studies**

*BASEF*

Prize: \$100  
Criteria: An exemplary project in cognition studies (animals or humans).

**Electrical Contractors Association of Niagara Hamilton Awards**

*Joe Kurpe*

Prizes: Two awards of \$250 each  
Criteria: Projects displaying the best and safest use of electricity in the most creative manner.

**Environmental Inspiration Award**

*Angela Ceccato*

Prize: \$250  
Criteria: The best project that addresses an environmental problem in an inspirational or innovative way.

**Farncombe Family Digestive Health Research Awards**

*Amber Hann  
Liam Rondeau  
Mark Wulczynski*

Prizes: Two awards of \$250 each and a grand award of \$750, which includes a one-hour interview with one of Farncombe's researchers to discuss further education and career opportunities.  
Criteria: Projects that explore digestive health, related diseases or general family nutrition through experimentation or in-depth literature.

Special Awards	Judges
<p><b>Firestone Institute for Respiratory Health Award</b></p> <p>Prize: \$250 and a tour of the research labs at the Firestone Institute.</p> <p>Criteria: For the best senior project on lung health, air pollution, allergy or respiratory infections.</p>	<p><i>Namarik Alenezy</i>  <i>Nahal Emami Fard</i>  <i>Alexander Ruzic</i></p>
<p><b>Hamilton Association for the Advancement of Science, Literature &amp; Art da Vinci Award</b></p> <p>Prize: \$250</p> <p>Criteria: Project that best combines personal initiative and creativity with a sound, demonstrated understanding of the scientific method.</p>	<p><i>Bruce Farrand</i>  <i>Tony Petric</i>  <i>Herb Schellhorn</i></p>
<p><b>Hamilton Wentworth Occasional Teacher Awards</b></p> <p><b><i>Environment and Education Award</i></b></p> <p>Prize: \$50</p> <p>Criteria: Junior project that most effectively educates others about an environmental issue.</p> <p><b><i>Healthy Lifestyles Award</i></b></p> <p>Prize: \$50</p> <p>Criteria: Junior project that most effectively educates others regarding the role of nutrition and/or exercise in maintaining a healthy lifestyle.</p> <p><b><i>Presentation and Aesthetics Award</i></b></p> <p>Prize: \$50</p> <p>Criteria: Junior project that demonstrates a high level of visual appeal, creativity, and overall quality of presentation.</p>	<p><i>BASEF</i></p>
<p><b>Harrison Family Chemistry Award</b></p> <p>Prize: \$100</p> <p>Criteria: For a project that has significant chemistry content.</p>	<p><i>Jim Ghoshdastidar</i>  <i>Sharonna Greenberg</i></p>
<p><b>Hillfield Strathallan College Awards of Excellence</b></p> <p><b><i>Life Sciences Award</i></b></p> <p>Prize: \$100</p> <p>Criteria: Junior project that best displays excellence in life sciences.</p> <p><b><i>Scientific Process Award</i></b></p> <p>Prize: \$100</p> <p>Criteria: Intermediate project that best demonstrates an understanding of the scientific process.</p> <p><b><i>Innovation Award</i></b></p> <p>Prize: \$100</p> <p>Criteria: Senior project that best displays innovation related to any science or engineering.</p>	<p><i>Anthony Saturnino</i></p>
<p><b>Icor Group Ltd. Innovation Awards</b></p> <p>Prizes: 1<sup>st</sup> \$200 and a 4-hour consulting session    2<sup>nd</sup> \$100</p> <p>Criteria: Outstanding projects that display innovation related to science or engineering.</p>	<p><i>Anthony Saturnino</i>  <i>Joseph Saturnino</i></p>

Special Awards	Judges
<p><b>IEEE (Institute of Electrical and Electronic Engineers) Hamilton Section Awards</b></p> <p>Prizes: Two awards of \$125 each</p> <p>Criteria: Best use of electronics in a science or engineering project.</p>	<p><i>Alicia Anton</i> <i>Sneh Lata</i></p>
<p><b>International Science &amp; Engineering Affiliated Fair Awards</b></p> <p>Prizes: Certificates and/or Medallions</p> <p>Criteria: Deserving intermediate or senior projects related to topics of interest to the organizations below:</p> <p><b>American Psychological Association</b> For a project showing outstanding research in psychological science in the category of behavioural and social sciences or any category related to psychology.</p> <p><b>Ricoh USA, Inc. Award</b> For an outstanding project that addresses issues of environmental responsibility and sustainable development.</p> <p><b>Society for In Vitro Biology Award</b> For an outstanding Grade 11 project exhibiting in the areas of plant or animal in vitro biology or tissue culture.</p> <p><b>Yale Science &amp; Engineering Association Award</b> For an outstanding Grade 11 project in computer science, engineering, physics or chemistry.</p>	<p><i>Isra Bashir</i> <i>Dana Bee</i> <i>Lily Song</i> <i>Winston Zhao</i></p>
<p><b>James A. Winger Award, sponsored by the Hamilton Amateur Astronomers</b></p> <p>Prizes: Two awards of \$100 each for students in Grade 7 to 9 Two awards of \$100 each for students in Grade 10 to 12</p> <p>Criteria: Best projects related to astronomy, physics, light pollution abatement, or space travel.</p>	<p><i>Janice Breitkopf</i> <i>Dee Rowan</i> <i>Jo Ann Salci</i></p>
<p><b>John W. Howard Materials Research Award</b></p> <p>Prize: \$100</p> <p>Criteria: An exemplary project demonstrating innovation in engineering materials, especially concrete.</p>	<p><i>BASEF</i></p>
<p><b>Laurentian Chapter of SETAC Award</b></p> <p>Prizes: Two awards of \$100 each and a certificate</p> <p>Criteria: Best projects and presentations on a topic related to environmental toxicology, chemistry, pollution, contamination, remediation or environmental protection.</p>	<p><i>Lara Alves Beese</i> <i>Jack Solole</i></p>
<p><b>Mahut-Brent Award for Young People in Science and Engineering</b></p> <p>Prize: \$100, certificate, and a giant microbe</p> <p>Criteria: An outstanding project by a young person in science that demonstrates an excellent application of scientific thought and creativity towards a subject matter that the participant is passionate about.</p>	<p><i>Katie Brent</i> <i>Caroline Mahut</i></p>

**Special Awards**
**Judges**
**McMaster University Awards**
**Department of Chemistry and Chemical Biology Award**

Prize: \$100

Criteria: An outstanding senior or intermediate project related to chemistry or chemical biology.

*Jim Ghoshdastidar  
Sharonna Greenberg*
**Department of Chemical Engineering Award**

Prize: \$250

Criteria: An outstanding intermediate or senior project demonstrating aspects of chemical engineering, particularly in the fields of biomaterials, polymer science, process systems design, or water and energy systems.

*Anushree Chakravarty  
Amber Monteiro*
**McMaster University Faculty of Engineering Entrance Awards**

 See "[Scholarships](#)"

*Harmony Ali  
Rayna Rakib  
Emily Waldron*
**MGD Institute for Infectious Disease Research (IIDR) Awards**

Prizes: Three awards: one of \$50, one of \$100 and a grand prize of \$250, which includes a one-hour interview with a senior person at IIDR for the grand prize winner and their families

Criteria: Excellent senior projects in infectious disease, drug discovery or human health.

*Maya George  
Laurel Jirik  
Veronica Tran*
**School of Earth, Environment and Society Awards**
**Earth and Environmental Sciences Award**

Prize: \$100

Criteria: Outstanding project in earth science or environmental science.

*Keeley Aird  
Luc Bernier  
Bamidele Oretade*
**Geography Award**

Prize: \$100

Criteria: Outstanding project in geography or social science.

**Venture Academy**

Prize: Two scholarships to Venture Academy for one week of summer camp. Each student in a pair project will receive a scholarship.

Criteria: A deserving junior and intermediate project

*Harmony Ali  
Rayna Rakib  
Emily Waldron*
**Mechanical Contractors Association of Hamilton Niagara Award**

Prize: \$250

Criteria: Best mechanical engineering project at the intermediate or senior level.

*Bill Patterson*
**Nelson Steel Awards**

Prizes: Two awards of \$200 each

Criteria: Outstanding junior projects related to two of the following fields: steel, environmental or chemistry.

*Sophia Blaschke*
**New Health Scientist Award**

Prize: \$50

Criteria: A worthy junior project showing good potential for improving the health of our community.

*BASEF*

Special Awards	Judges
<p><b>Nikola Tesla Innovation Awards</b></p> <p>Prizes: Gold \$150 Silver \$100 Bronze \$50</p> <p>Criteria: Projects that best display the most innovative application of the body of knowledge associated with Nikola Tesla’s work, and/or acknowledgement in the display of Nikola Tesla’s contribution by way of his work and inventions.</p>	<p><i>Vic Djurdjevic</i> <i>Alex Stojanovic</i></p>
<p><b>Ola Lunyk-Child Memorial Health Awards</b></p> <p>Prizes: 1<sup>st</sup> \$250 2<sup>nd</sup> \$150 3<sup>rd</sup> \$100</p> <p>Criteria: Excellent projects related to any aspect of nursing, nursing research or other medically related fields.</p>	<p><i>Peter Child</i></p>
<p><b>Procor Engineering Awards</b></p> <p>Prizes: Junior \$50 Intermediate \$100 Senior \$150</p> <p>Criteria: Excellent engineering projects.</p>	<p><i>Eziaku Nri</i> <i>Wade Osborne</i> <i>Ivona Szczerbowicz</i></p>
<p><b>Professional Engineers Ontario - Oakville Chapter Awards</b></p> <p>Prizes: Five awards of \$200 each: one each at the Senior and Intermediate levels, and three at the Junior level.</p> <p>Criteria: Deserving engineering projects.</p>	<p><i>Mai Abdou</i> <i>Sidra Farid</i> <i>Mutaz Suleiman</i></p>
<p><b>Rotary Club of Hamilton Stoney Creek Awards</b></p> <p>Prizes: 1<sup>st</sup> \$250 2<sup>nd</sup> \$150 3<sup>rd</sup> \$100</p> <p>Criteria: Best three projects from schools situated in the Hamilton core, Stoney Creek, or by Indigenous students displaying high academic achievement and striving to excel in science and technology.</p>	<p><i>James McDonnell</i></p>
<p><b>Royal Botanical Gardens Award</b></p> <p>Prize: 1-year RBG family membership</p> <p>Criteria: Best project in plant or environmental sciences.</p>	<p><i>BASEF</i></p>
<p><b>Society of Tribologists &amp; Lubrication Engineers - Hamilton Chapter</b></p> <p>Prize: Two awards of \$250 each</p> <p>Criteria: Projects that utilize the principles of tribology, (friction, wear and lubrication), to solve a technical problem.</p>	<p><i>Richard Schrama</i></p>
<p><b>The Imagination to Enterprise Awards</b></p> <p>Prizes: 1<sup>st</sup> \$1,500 2<sup>nd</sup> \$1,000</p> <p>Criteria: Projects that best combine creativity with real-world marketability. These awards honour innovative ideas that demonstrate both imaginative problem-solving and practical potential for real-world application, showcasing how scientific ingenuity can translate into impactful, market-ready solutions.</p>	<p><i>Ben Gulak</i></p>

Special Awards	Judges
<p><b>The Research Institute of St. Joe’s Hamilton, Health Research Awards</b></p> <p>Prizes: Two awards of \$100 at the intermediate level Two awards of \$50 at the junior level</p> <p>Criteria: Outstanding projects that use strong scientific principles in exploring or solving a problem related to human health issues and communicate the results of their project through an effective visual display.</p>	<p><i>Sylvia Chong</i> <i>Laura Garrick</i> <i>Alana Penny</i></p>
<p><b>Water Environment Association of Ontario Award</b></p> <p>Prize: \$100</p> <p>Criteria: For a project focused on innovative ideas for preserving and/or enhancing Ontario’s water environment.</p>	<p><i>Dean Iamarino</i> <i>Amr Melligy</i></p>

## Scholarships

### Hillfield Strathallan College Entrance Scholarship

**Prize:** One \$5,000 entrance scholarship toward tuition fees, to be redeemed upon acceptance as a full-time senior school student entering Hillfield Strathallan College in any of Grades 9 to 11 for the 2026-2027 academic year. Will be awarded to both students in a pair project - maximum \$10,000 value.

**Criteria:** A deserving project demonstrating excellence in scientific learning.

### McMaster University Faculty of Engineering Entrance Awards

**Prize:** Up to three \$3,000 entrance awards, to be redeemed upon acceptance of admission to the Faculty of Engineering. Pair projects will split the award.

**Criteria:** Projects demonstrating excellence in Science, Technology, Engineering or Math.

### Mohawk College and Sheridan College - Award of Excellence Tuition Scholarships

**Prize:** Mohawk College and Sheridan College will provide a \$1,000 entrance award. The scholarship may be used toward first year tuition upon the recipient’s acceptance and registration in any full-time program at either Mohawk College or Sheridan College. If multiple scholarships are accumulated over more than one year, only one of these scholarships may be used.

**Criteria:** All students earning BASEF 2026 Merit Award Medals (Gold, Silver, Bronze) will win this scholarship.

### University of Ottawa Entrance Scholarship

**Prize:** One \$1,000 entrance scholarship applied to tuition fees upon registration in an undergraduate program in the Faculties of Engineering, Science, or Health Sciences at the University of Ottawa. (In the case of a pair project, each student will receive a \$1,000 admission scholarship if they register in appropriate undergraduate programs at the University of Ottawa).

**Criteria:** The most deserving Senior project.

# BASEF 2026 Merit Award Judges



“Merit judging is critical to the success of BASEF. Each year, BASEF welcomes returning and new judges from local university faculties, researchers, scientists, and college faculty, industrial engineers, representatives of private research centers and agencies, medical researchers, and senior graduate and undergraduate university students, as well as many retired community members and professionals. This diversity of backgrounds provides valuable perspectives when evaluating the projects. What brings them together is their desire to meet future scientists, share their own expertise and engage and inspire local young people.

Although volunteer judges are part of a judging team, they each judge their assigned projects independently. A common judging score sheet is used to evaluate the projects based on three criteria:

scientific thought, scientific communication and student engagement. Merit judges are assigned to categories based on their experience and expertise whenever possible. Merit judging occurs in two rounds. In the morning, the judges have the opportunity to review the participants’ projects without the students present. In the afternoon the students are interviewed, sharing their passion and knowledge.

A sincere thank you to each Merit Judge and Category Chair for sharing their scientific expertise and supporting all BASEF student participants. Once again, I am impressed by the commitment of these volunteers.

I congratulate all the finalists for their outstanding projects, dedication to science fairs and enthusiasm. You are all winners and I look forward to seeing you in 2027!”

**- Donna Stack-Durward, Judge-In-Chief**

-  Indicates a merit judge who also serves as part of the safety inspection team. Please contact our safety lead at [safety@basef.ca](mailto:safety@basef.ca) if you would like to serve as a safety inspector in the future.
-  Indicates a category chair. Please contact our judge-in-chief at [judging@basef.ca](mailto:judging@basef.ca) if you would like to serve as a category chair in the future.
-  Indicates a member of the BASEF 2026 Organizing Committee.

## MERIT JUDGES 2026

	<b>Abioye, Oyekemi</b>	HIROC
	<b>Adil, Amna</b>	Student at McMaster University
	<b>Akparah, Ezuiche</b>	OpenText Corporation
	<b>Al Hares, Alisar</b>	McMaster University
	<b>Alam, Nafiul</b>	School
	<b>Alex, Andrew</b>	Veolia Water Technologies & Solutions
	<b>Arab, Mohammed</b>	Juravinski Hospital

## MERIT JUDGES 2026

	<b>Armstrong, Andrea</b>	<i>Synergy Oncology</i>
	<b>Baig, Arshia</b>	<i>n/a</i>
	<b>Balaban, Mariana</b>	<i>Norfolk County</i>
	<b>Barbato, Bev</b>	<i>Retired (Hamilton Health Sciences)</i>
	<b>Barbera, Lidia</b>	<i>McMaster University</i>
	<b>Batey, Penny</b>	<i>Penny's Learning Centre</i>
🔍	<b>Birch, Nigel</b>	<i>Alta Technology Ltd</i>
	<b>Bochenski, Boguslaw</b>	<i>Hydro One Networks Inc.</i>
	<b>Borzellino, Ashley</b>	<i>City of Hamilton - Public Works</i>
📌 *	<b>Bowman, Dan</b>	<i>Retired (Hamilton Police)</i>
	<b>Brar, Zayn</b>	<i>Student at McMaster University</i>
	<b>Brusey, Barry</b>	<i>Retired (ArcelorMittal Dofasco)</i>
	<b>Buchanan, Jessica</b>	<i>L3Harris Wescam</i>
	<b>Butt, Shubana (Aslam)</b>	<i>HWDSB</i>
	<b>Cao, Jennifer</b>	<i>Veolia Water Technologies &amp; Solutions</i>
	<b>Chan, Antonio</b>	<i>Semiconductor Design</i>
	<b>Chan, Justin</b>	<i>School</i>
🔍	<b>Charette, Natalie</b>	<i>L3Harris Wescam</i>
	<b>Charria Garcia, Camilo</b>	<i>John Sopinka Courthouse</i>
	<b>Chau, Light</b>	<i>John Sopinka Courthouse; McMaster University; HPL</i>
	<b>Chhiba, Ryan</b>	<i>Student at McMaster University</i>
	<b>Clapperton, Maya</b>	<i>Student at Humber College</i>
	<b>Cooper, Ruth</b>	<i>SR&amp;ED Division, CRA</i>
📌	<b>Cowbrough, Braeden</b>	<i>McMaster University</i>
🔍	<b>Critchley, Stuart</b>	<i>Retired (ArcelorMittal Dofasco; Hatch)</i>
	<b>Czebe, Andy</b>	<i>L3Harris Wescam</i>
	<b>D'Amico, Noah</b>	<i>CanmetMaterials</i>
	<b>Dahal, Rajan</b>	<i>Hamilton Health Sciences</i>
	<b>Dass, Navneet</b>	<i>Hamilton Health Sciences</i>
	<b>Dave, Hetal</b>	<i>Hamilton Health Sciences</i>
	<b>Davis, Stephanie</b>	<i>The Corporation of Norfolk County</i>
	<b>de Haan, Bob</b>	<i>Retired</i>

## MERIT JUDGES 2026

	<b>De Tina, Renato</b>	<i>Retired (ArcelorMittal Dofasco)</i>
	<b>Dennis, Teena</b>	<i>n/a</i>
	<b>Dissanayake, Parami</b>	<i>The Iron Cow Public House</i>
	<b>Durward, Deanne</b>	<i>Ramboll</i>
	<b>Dyer, Benjamin</b>	<i>McMaster University</i>
Q	<b>Fisher, David</b>	<i>Self-Employed</i>
	<b>Forbes, James</b>	<i>National Steel Car</i>
	<b>Forrest, Fraser</b>	<i>Retired (Stern Laboratories Inc.)</i>
	<b>Freeman, Marcus</b>	<i>Sheridan College</i>
	<b>Freger, Shay</b>	<i>McMaster University</i>
	<b>Gagnon, Jean</b>	<i>Veolia Water Technologies &amp; Solutions</i>
	<b>Gail, Braden</b>	<i>Student at University of Toronto</i>
Q	<b>Garrett, Jim</b>	<i>Retired (Brockhouse Institute for Materials Research)</i>
	<b>George, Teena</b>	<i>Khalsa Community School</i>
	<b>Ghaffari, Ayda</b>	<i>Hamilton Wentworth District School Board</i>
	<b>Griffin, Jaime</b>	<i>Trade-Mark Industries</i>
	<b>Hafezalseheh, Hesam</b>	<i>McMaster University</i>
	<b>Hall-Bruce, Mikayla</b>	<i>McMaster University</i>
	<b>Hämäläinen, Emma</b>	<i>Student at McMaster University</i>
📌	<b>Harrison, Eric</b>	<i>Retired</i>
	<b>Hazelden, Linda</b>	<i>Volunteer Board: Catholic Teachers' Guild</i>
	<b>Hazelden, Mark</b>	<i>National Institute on Ageing</i>
📌	<b>Hol, Adrienne</b>	<i>Avenue Physiotherapy</i>
	<b>Holloway, John</b>	<i>Mohawk College</i>
	<b>Hough, Nika</b>	<i>McMaster University</i>
	<b>Hui, Gladwin</b>	<i>Niagara Health</i>
	<b>Iavarone, Sabrina</b>	<i>Queen Victoria, HWDSB</i>
	<b>Jathar, Amit</b>	<i>OpenText</i>
📌	<b>Johnson, Stephen</b>	<i>Thermo Fisher Scientific</i>
	<b>Johnson, Ross</b>	<i>Retired (Sandwell)</i>
	<b>Johnson, Warren</b>	<i>Retired (Hamilton Wentworth District School Board)</i>
	<b>Kefel, Ali</b>	<i>McMaster University</i>

## MERIT JUDGES 2026

	<b>Khan, Aleena</b>	<i>Student at McMaster University</i>
	<b>Khullar, Abhinav</b>	<i>Concentrix</i>
	<b>Khullar, Rishabh</b>	<i>Thomson Reuters</i>
	<b>Konstanty, Michal</b>	<i>Elevate Construction Management</i>
	<b>Kunwar, Ashim</b>	<i>McMaster University</i>
	<b>LaChapelle, Griffin</b>	<i>McMaster University</i>
	<b>Lam, Shirley</b>	<i>Ramboll</i>
	<b>Lata, Sneha</b>	<i>RChilli Inc.</i>
Q	<b>Lewis, Justin</b>	<i>AVAR Environmental Inc.</i>
	<b>Lin, Sabrina</b>	<i>McMaster University</i>
	<b>Liu, Joy</b>	<i>City of Hamilton, Department of Public Works</i>
	<b>Lomonaco, Joshua</b>	<i>BeyondTrust</i>
📖	<b>MacAulay, Miranda</b>	<i>Dr. Jacob Optometry Corporation</i>
	<b>Mahalec, Jila</b>	<i>Owner, Consulting</i>
	<b>Mahut, Andy</b>	<i>Stelco Inc.</i>
📖 *	<b>Mahut, Caroline</b>	<i>Ingenev</i>
	<b>Maia, Susanne</b>	<i>Hamilton Health Sciences</i>
	<b>Malette, Nicole</b>	<i>McMaster University</i>
	<b>Martin, Paul</b>	<i>Retired</i>
	<b>Martinez Acevedo, Santiago</b>	<i>MDA Space</i>
	<b>McMillan, Reese</b>	<i>DS Consultants</i>
📖	<b>McNally, Mike</b>	<i>Retired</i>
	<b>Meacher, DeAnna</b>	<i>McMaster University</i>
Q	<b>Mendes Fonseca, Nizia</b>	<i>McMaster University</i>
	<b>Mercik, Aleks</b>	<i>PV Labs</i>
	<b>Merlos, Erick S.</b>	<i>City of Hamilton</i>
Q	<b>Michell, Bradley</b>	<i>Newman Hattersley Ltd.</i>
	<b>Misquitta, Joanna</b>	<i>McMaster University</i>
📖	<b>Morin, Shane</b>	<i>Retired (Xerox)</i>
	<b>Mulla, Daanish</b>	<i>York University</i>
	<b>Nabil, Tasnia</b>	<i>University of Toronto</i>
	<b>Nepal, Rabindra</b>	<i>St. Joseph's Healthcare Hamilton</i>

## MERIT JUDGES 2026

	<b>Niro, Gino</b>	<i>EngOL Inc.</i>
	<b>Norman-Gerum, Valerie</b>	<i>L3Harris Wescam</i>
	<b>Obeid, Ahmad</b>	<i>CK Engineering Inc.</i>
	<b>Papuckoski, Simon</b>	<i>L3Harris Technologies</i>
	<b>Pathmanathan, Khibshan</b>	<i>Self-Employed</i>
	<b>Pinto Leao, João Paulo</b>	<i>Veolia Water Technologies and Solutions</i>
	<b>Poloniato, Len</b>	<i>Retired</i>
	<b>Povey, Olivia</b>	<i>McMaster University</i>
	<b>Qazi, Arish</b>	<i>ClaroNav Inc.</i>
	<b>Radman, Thomas</b>	<i>Veolia Water Technologies and Solutions</i>
	<b>Rahmani, Sara</b>	<i>McMaster University</i>
	<b>Rawson, Sam</b>	<i>Start Electric</i>
Q	<b>Rebalka, Irena</b>	<i>McMaster University</i>
	<b>Redding, Abbie</b>	<i>University of Guelph</i>
	<b>Redding, Laurene</b>	<i>Gilead Sciences Inc.</i>
Q	<b>Reid, Dennis</b>	<i>Retired</i>
	<b>Robert, Celeste</b>	<i>Moreau</i>
	<b>Rogerson, Carol</b>	<i>Retired (Proctor &amp; Gamble)</i>
	<b>Romanek, Virginia</b>	<i>McMaster University</i>
	<b>Rose, Jamie</b>	<i>McMaster University</i>
	<b>Safranyos, Sharon</b>	<i>BeOne Medicines</i>
	<b>Savelli, Alicia</b>	<i>PhD Student at University of Toronto</i>
Q *	<b>Schaefer, Janet</b>	<i>Homemaker</i>
	<b>Shaw, Chris</b>	<i>Veolia Water Technologies and Solutions</i>
	<b>Shepard, Ben</b>	<i>Self-Employed</i>
📖	<b>Shepard, Beverly</b>	<i>Retired (McMaster University)</i>
	<b>Smith, Rebecca</b>	<i>St. Joseph's Healthcare Hamilton</i>
	<b>Song, Bohmie</b>	<i>McMaster University</i>
*	<b>Stack-Durward, Donna</b>	<i>Retired (Hamilton Wentworth Catholic District School Board)</i>
	<b>Stechey, Frank</b>	<i>Retired</i>
	<b>Steele, Louise</b>	<i>Retired (Professional Engineer; Professor at Seneca College)</i>
	<b>Stefanchuk, Brian</b>	<i>Retired (Mohawk College)</i>

## MERIT JUDGES 2026

	<b>Steffler, Matt</b>	<i>Habitat for Humanity</i>
	<b>Stegman, Kyle</b>	<i>McMaster University</i>
📌	<b>Stewart, Mark</b>	<i>McMaster Innovation Park</i>
	<b>Stirton, Callum</b>	<i>University of Toronto</i>
	<b>Su, Eaint Thet</b>	<i>McMaster University</i>
	<b>Terbrack, Nathan</b>	<i>Johnson Electric</i>
🔍	<b>Toth, Janice</b>	<i>Retired</i>
	<b>Traboulsi, Dima</b>	<i>McMaster University</i>
🔍 📌	<b>Van Riemsdijk, Isadora</b>	<i>Retired</i>
	<b>Vidican, Mihaela</b>	<i>Self-Employed</i>
	<b>Wagg, Terry</b>	<i>Retired (McMaster University)</i>
	<b>Walsh, Steven</b>	<i>Hamilton Public Health</i>
🔍 📌	<b>Wehrle, Paul</b>	<i>Retired</i>
	<b>Wiater-Protas, Izabela</b>	<i>Syensqo</i>
	<b>Wilson, Anne-Marie</b>	<i>Retired (Hamilton Wentworth District School Board)</i>
	<b>Wolfsgruber, Steve</b>	<i>Alithya</i>
	<b>Wolfsgruber, Richard</b>	<i>Retired</i>
	<b>Woltz, Andrea</b>	<i>L3Harris Wescam</i>
* 📌	<b>Wood, Jane</b>	<i>Retired (ArcelorMittal Dofasco)</i>
	<b>Wu, Alexandra</b>	<i>Student</i>
	<b>Wu, Christopher</b>	<i>Epson Canada Ltd.</i>
	<b>Wulczynski, Mark</b>	<i>McMaster University</i>
🔍 📌	<b>Young, Bruce</b>	<i>St Joseph's Healthcare Hamilton</i>
	<b>Yueh, Jeffrey</b>	<i>McMaster University</i>
	<b>Zhang, Ali</b>	<i>Hamilton Health Sciences</i>
	<b>Zhang, Ivan</b>	<i>Student at Schulich School of Medicine &amp; Dentistry</i>
	<b>Zhao, Anthony</b>	<i>Student at McMaster University</i>
	<b>Zhao, Kevin</b>	<i>McMaster University</i>

# BASEF 2026 Volunteers

We would like to thank all of our volunteers who help to make BASEF 2026 possible! Please contact [volunteers@basef.ca](mailto:volunteers@basef.ca) if you would like to serve as a BASEF volunteer in the future.

 Indicates a member of the safety team  
 Indicates a member of the photography team

- Adil, Rayan
- Agullana, Nicole
-  Allan, Leah
-  Bates, Al
-  Bashir, Isra
- Belerique Baiden, Ella
-  Bercik, Erik
-  Bowdish, Ryan
-  Buchanan, Bernard
- Chaisson, Delia
- Chowdhury, Sima
- Dobson, Kim
- El-Chaar, Dali
- Endaya, Siena
- Enns, Terri
- Hafez, Aziz
- Hayhurst, Trevor
- Hayman, Cathy
- Hayman, Steve
- Hirano, Lauren
- Hood, Jamie
- Jarad, Rand
- Karthick, Sanjeev
- Kikkert, Steven
- Kops, Rita
-  Kularajah, Nirubini

-  Kuntz, Reuben
- Kus, Kaan
-  Lewis, Justin
- Luzar, Erwin
- Ma, Susan
- McCaughan, Kara
- Meng, Angela
- Merz, Liz
- Mohsin, Muhammad Mustafa
- Nguyen, Noel
-  Novak, John
- Olynyk, Sue
-  Oyenuga, Dapo
- Pacifici, Nicholas
-  Pastore, Bella
- Pearson, Beth
- Robertson, Ian
- Robinson, Racquel
- Saavedra, Juliana
-  Schaefer, Kendra
-  Schaefer, Richard
- St. Jean, Julia
- Tan, Peihua
- Trabulsi, Dima
- Trotta, Marc

# WELCOME TO HSC



**GOOD LUCK TO ALL THE PARTICIPANTS**

TO LEARN MORE ABOUT OUR TOP TIER  
FACILITIES VISIT [HSC.ON.CA](https://www.hsc.on.ca)



Hillfield Strathallan College  
Learn with Joy. Live with Purpose.

# BASEF 2026 Projects & Exhibitors

## School Boards Represented:

<b>BHNCDSB</b>	<i>Brant Haldimand Norfolk Catholic District School Board</i>
<b>GEDSB</b>	<i>Grand Erie District School Board</i>
<b>HCDSB</b>	<i>Halton Catholic District School Board</i>
<b>HDSB</b>	<i>Halton District School Board</i>
<b>HWCDSD</b>	<i>Hamilton-Wentworth Catholic District School Board</i>
<b>HWDSB</b>	<i>Hamilton-Wentworth District School Board</i>
<b>IND</b>	<i>Independent</i>

## Index of All Exhibitors

↙ The project number hyperlinks to the project abstract and online listing... try it!

Proj. #	LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.
<a href="#">A01</a>	HUANG, VALENTINA. "The effects of cryopreservation on cellular structures" Life Sciences Non-Human, Junior 7/8. Palermo Public School, HDSB.
<a href="#">A02</a>	TENG, CAROL. "Testing Peto's Paradox: Modeling Cancer Risks Through Mammalian Body Size" Life Sciences Non-Human, Intermediate 9/10. White Oaks Secondary School, HDSB.
<a href="#">A03</a>	PAN, ELIN & STOKES, ISLA. "Extracting and Comparing DNA: Does Chromosome Count Affect Yield?" Life Sciences Non-Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<a href="#">A04</a>	BARKMAN, KAITLYN. "Are We Alone in the Solar System?: Potential for Life on Mars" Life Sciences Non-Human, Junior 7/8. Home Schooling, IND.
<a href="#">A05</a>	ALI, AYESHA. "Does the pH of water negatively or positively impact's a plants growth" Life Sciences Non-Human, Junior 7/8. Al-Falah Islamic School, IND.
<a href="#">A07</a>	CALDWELL, BROOKLYN. "Assessing Equine Peptic Ulcers Through Appearance" Life Sciences Non-Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<a href="#">A08</a>	NAGRA, NAVJOT & PANDYA, ISHA. "GermDetect Glasses" Life Sciences Non-Human, Junior 7/8. John William Boich Public School, HDSB.
<a href="#">A09</a>	PZYTULA, ZANE. "Ants versus Humans" Life Sciences Non-Human, Junior 7/8. St. Matthew, HWCDSD.
<a href="#">A10</a>	KADRY, HAYA. "MealMaster" Life Sciences Non-Human, Junior 7/8. John William Boich Public School, HDSB.
<a href="#">A11</a>	HENDRA, FIFI. "Orange Juice Vs Orange Soda" Life Sciences Non-Human, Senior 11/12. King's Christian Collegiate, IND.
<a href="#">A12</a>	YOUSEFIZAD, ADRIAN. "Plants, Nature's Carbon Capture Machine" Life Sciences Non-Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<a href="#">A13</a>	SUNNUCKS, ANGELICA. "Pros/Cons of Living in a Zoo For Animals" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
<a href="#">A14</a>	LIN, ABIGAIL. "Cracking Osmosis" Life Sciences Non-Human, Intermediate 9/10. Holy Trinity Secondary School, HCDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>A15</u></b>	SHARPE, ANDREW. "Germ Mystery: What's Beneath Our School's Everyday Surfaces" Life Sciences Non-Human, Junior 7/8. St. Andrew Elementary School, HCDSB.
<b><u>A16</u></b>	DE SILVA WIJEYERATNE, ALEXANDER. "Do Animals Have Philosophy?" Life Sciences Non-Human, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>A17</u></b>	HAIDER, HUSSAIN. "Species-Dependant Biofilm Inhibition through Vitamin C" Life Sciences Non-Human, Intermediate 9/10. Hillfield Strathallan College, IND.
<b><u>A18</u></b>	AL-KHAFAJI, MARIAM & SINGH, AVANI. "Hypoestrogenism-Induced Postmenopausal Osteoporosis: Literacy Disparities & Prophylactic Efficacy" Health Sciences Human, Intermediate 9/10. White Oaks Secondary School, HDSB.
<b><u>A19</u></b>	MAWJI, AYAAN & VARDHAN, NIMISH. "NeuroMind AI" Health Sciences Human, Intermediate 9/10. Corpus Christi Secondary School, HCDSB.
<b><u>A20</u></b>	ALPA, SYDNEY & DWARKA, ELYSIA. "Smart-Aid is an infection detection and prevention bandage." Health Sciences Human, Junior 7/8. John William Boich Public School, HDSB.
<b><u>B01</u></b>	SHAHID, AZKA & SHARMA, NEHA. "Does What We Smell Affect How We Feel?" Health Sciences Human, Junior 7/8. Lake Avenue, HWDSB.
<b><u>B02</u></b>	WEI, NANCY. "Color Recognition and Failure to Track Dementia Disease's Progression" Health Sciences Human, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
<b><u>B03</u></b>	FATIMA, KHADIJA & MUNJAL, REET. "From our Plates to Pathology; The Digestive Risks of Ultra-processed Foods" Health Sciences Human, Junior 7/8. Palermo Public School, HDSB.
<b><u>B04</u></b>	WASEEM, SHEHRYAR. "Acid vs Enamel: An Investigation Into Effective Treatments for Combating Tooth Enamel Erosion" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>B05</u></b>	HARIHARA, VIKRANT. "Can the Latissimus Dorsi be Regionally Activated? Evaluating Biomechanical and Neural Factors" Health Sciences Human, Senior 11/12. Burlington Central High School, HDSB.
<b><u>B06</u></b>	GAO, CHLOE. "From Sip to Spike" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b><u>B07</u></b>	MURALIDHAR, REYA. "Does the Presence of Devices Affect Concentration and Cognitive Ability?" Health Sciences Human, Junior 7/8. Eastdale, HWDSB.
<b><u>B08</u></b>	WONDERS, ALEXANDRA. "The Psychology of the Mandela Effect: Is age a Variable in Accuracy?" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>B09</u></b>	HAMIDANI, ARIANA & VIJ, LEISHA. "The Relationship Between Sleep Time Period and Memory Performance in 9th Graders" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>B10</u></b>	KHAN, NABIHA. "BioSkin Intelligence -Skin Conditions & Cancer Risk Screening" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>B11</u></b>	ARJA, LAKSHYA & KOOSSA, ZAHRA. "Are Gender Stereotypes Real?" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>B12</u></b>	WILSON, JULIA. "Worth the Warmup?" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b><u>B13</u></b>	MATTHEWS ROLFE, MADDIE & RICHARDSON, ELSIE. "A Hunch About The Crunch" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>B14</u></b>	NASTASE, ANA. "Mind Over Melodies" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>B15</u></b>	AL BENDER, TALA. "The IBD Capital Of The World. Why Canada?" Health Sciences Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>B16</u></b>	MATYJAS, LILLIAN & XU, ANNIE. "S.I.G.N.A.L" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>B17</u></b>	CHANDRA, AHAAN. "The test of music genres on memorisation" Health Sciences Human, Junior 7/8. Hawthorne Village Public School, HDSB.
<b><u>B18</u></b>	ENGELS, ISABELLE & SABOGAL, EMMA. "How does social media affect today's youth" Health Sciences Human, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>B19</u></b>	SUN, MICAH. "MD + CFD testing of biomaterials to improve O2 transfer and hemocompatibility in artificial lungs" Health Sciences Human, Intermediate 9/10. Craig Kielburger Secondary, HDSB.
<b><u>B20</u></b>	PAUL, CHRISTINE & PAUL, JOANNE. "Future of Faculty" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b><u>C01</u></b>	CURRIE, APRIL & UZER, ASYA. "How are Decisions Made?" Health Sciences Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>C02</u></b>	JHAM, KABIR & KHWAJA, FAIZ. "Filtering The Invisible: Analyzing How Microplastics Affect Our Bodies" Earth & Env Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>C03</u></b>	EASO, SABRINA. "Knowledge Vs. Action: Does Learning Lead to Doing?" Health Sciences Human, Junior 7/8. Balaclava, HWDSB.
<b><u>C04</u></b>	BARKMAN, HEATHER. "Can CRISPR Be Used to Enable Cryogenic Freezing?" Health Sciences Human, Senior 11/12. Canadian Virtual School, IND.
<b><u>C05</u></b>	SALMAN, HASAN. "K.O! The correlation between video games and anger issues." Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>C06</u></b>	AKANNI, SINDARA. "Math Under Melody" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b><u>C07</u></b>	OLORUNTOBA, DAMISI. "Catching Zs With L.E.Ds" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b><u>C08</u></b>	BORHAM, LEEN. "Multifactorial Physiological and Behavioural Mechanisms Contributing to Digital Eye Strain" Health Sciences Human, Junior 7/8. Munn's Public School, HDSB.
<b><u>C09</u></b>	GARCIA-OTERO, SEBASTIAN. "GO READ" Health Sciences Human, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>C10</u></b>	DUMONT HERNANDES, LEONARDO & FUNG, JAMES. "Impact of COVID-19 Pandemic on Technology Dependence, Capabilities, and Lifestyle Changes of..." Health Sciences Human, Junior 7/8. St. Andrew Elementary School, HCDSB.
<b><u>C11</u></b>	TAN, SIQI. "Persistent-Homology Guided Pseudotime Framework Reveals Cyclic Transcriptional States in PDAC" Health Sciences Human, Intermediate 9/10. Iroquois Ridge High School, HDSB.
<b><u>C12</u></b>	GUPTA, RIYA & JOHNSON, PAYTON. "What is colour vision deficiency and how does it affect us?" Health Sciences Human, Junior 7/8. Sunningdale Public School, HDSB.
<b><u>C13</u></b>	ANGLEHART, KARLY & MACIVER, ISLA. "Under Pressure: How Climate Crisis Exposure Impairs Teen Cognition" Health Sciences Human, Senior 11/12. Elsie Macgill Secondary School, HDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>C14</u></b>	LIU, LYDIA & WONG, CHARLOTTE. "Early Detection of Familial ALS Using a Transcriptome-Derived Molecular Instability Index" Health Sciences Human, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
<b><u>C15</u></b>	KIM, ELLIE. "The Effects of Tai Chi on Elderly's Gate and Balance" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>C16</u></b>	IYILADE, SOPHIA. "Tuning In to the Deadline: A Study on how Music Affects Cognitive Performance under Time Pressure" Health Sciences Human, Intermediate 9/10. Iroquois Ridge High School, HDSB.
<b><u>C17</u></b>	MUTHUKUMARANA, IMIRA. "AI Verses Human" Health Sciences Human, Junior 7/8. St. Matthew, HWCDSB.
<b><u>C18</u></b>	MUNDA, SAFEEYA. "Your Thoughts Affect you More Than You Think" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>C19</u></b>	FATIMA, FIZA & FATIMA, HAREEM. "Positive VS Negative Encouragement" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>C20</u></b>	YUAN, RUTH. "The Cognitive and Psychological Effects of Anesthesia on Individuals Diagnosed with Schizophrenia" Health Sciences Human, Junior 7/8. Sunningdale Public School, HDSB.
<b><u>D01</u></b>	HAMDANI, LAILA & SHARMA, SAANVI. "Comparing effectiveness of common household cleaning products in ability to reduce colonies" Biotechnology, Junior 7/8. Palermo Public School, HDSB.
<b><u>D02</u></b>	JABER, KARAM & MUHAMMAD ZAHEER, AAHIL. "How does average sleep duration affect memory recall accuracy and reaction time in 8th graders?" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>D03</u></b>	ABBAS, INAYA & JELLA, SANVI. "How devices affect the perception of time and addiction in different age groups" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>D04</u></b>	GOMEZ, SAMUEL & VAN ALSTINE, JAKE. "Don't Slip! Testing Household Materials on Ice" Phys & Math Sci, Junior 7/8. Immaculate Conception, HWCDSB.
<b><u>D05</u></b>	YANG, ARIEL. "Cognitive Dissonance in Young Canadians: Why Environmental Beliefs Don't Always Lead to Change" Health Sciences Human, Senior 11/12. Iroquois Ridge High School, HDSB.
<b><u>D06</u></b>	MCCAUGHEN, SIENNA. "Environmental Effects on Personality" Health Sciences Human, Junior 7/8. Janet Lee, HWDSB.
<b><u>D07</u></b>	HERNANDEZ LORETO, EMMA & SMITH, AVA. "Do Financial Earnings Affect Having A Certain Mental Illness within Families?" Health Sciences Human, Junior 7/8. St. Andrew Elementary School, HCDSB.
<b><u>D08</u></b>	IPWANSHEK, GABRIELLA. "Investigating Matcha as an Amylase Inhibitor for Postprandial Hyperglycemia in Gestational Diabetes" Health Sciences Human, Senior 11/12. White Oaks Secondary School, HDSB.
<b><u>D09</u></b>	OBEROI, KRISHANGI. "In Silico Design of a PD-1/TCR Bispecific T-Cell Engager for Immunotherapy in T-Cell Malignancies" Health Sciences Human, Senior 11/12. Abbey Park High School, HDSB.
<b><u>D10</u></b>	OWEDE, OLIVIA & VIVERA, ALINA. "Mood and Mindset" Health Sciences Human, Junior 7/8. St. Andrew Elementary School, HCDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>D13</u></b>	PACIFICI, ELI. "Hotter, harder, deadlier; combatting the effects of climate change in sport" Health Sciences Human, Junior 7/8. St. Bernadette, HWCDSB.
<b><u>D14</u></b>	ISHOLA, TOMI & MANDAIR, MAYA. "Sleep Smarter: Investigating the Benefits of Eye Masks" Health Sciences Human, Senior 11/12. Garth Webb Secondary School, HDSB.
<b><u>D15</u></b>	PARK, JIEUN. "Which AD Treatment Combination is Most Effective in Improving Patient Outcomes and Overall Efficacy" Health Sciences Human, Senior 11/12. Bishop Tonnos Secondary School, HWCDSB.
<b><u>D16</u></b>	HAMID, DANAH. "How the physical processes of the mind generate subjective experience." Health Sciences Human, Junior 7/8. Sunningdale Public School, HDSB.
<b><u>D17</u></b>	XU, JACQUELINE. "Psychology's Place in Crime and Court" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>D18</u></b>	RZECZKOWSKI, VICTORIA. "AquaSweep" Biotechnology, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>D19</u></b>	CAI, YIYUN. "Investigating the Influence of Steroid Hormones on Breast Cancer Progression" Health Sciences Human, Senior 11/12. Appleby College, IND.
<b><u>D20</u></b>	SANGHA, SAVANNAH. "Microplastics in Food and Beverage" Health Sciences Human, Junior 7/8. Foundations Montessori School, IND.
<b><u>E01</u></b>	HE, TIANA & VIVEK, MEGHNA. "2 Lungs, 2 Stories: Healthy vs Cancerous" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>E02</u></b>	ABBOTT, KEIRA & TUMMON, ZOE. "Are You Smarter Than A 7th Grader? Part 2" Health Sciences Human, Junior 7/8. C.H. Norton Public School, HDSB.
<b><u>E03</u></b>	DUAN, EVA & EUM, TAEYEON. "ASCEND: A Novel Brain-Shuttle Antisense Therapy for Targeted RNA Repair in ALS" Biotechnology, Senior 11/12. Oakville Trafalgar High School, HDSB.
<b><u>E04</u></b>	REN, RENEE. "Engineering a Smart Probiotic-Based Drug Delivery Device for Gut-Lung Axis Targeted Immunotherapy" Biotechnology, Intermediate 9/10. Appleby College, IND.
<b><u>E06</u></b>	WANG, JUDY & ZHANG, ISABELL. "A Study on Preventing Aortic Dissections in Marfan Patients by Base Editing Smooth Muscle Cells" Biotechnology, Senior 11/12. Iroquois Ridge High School, HDSB.
<b><u>E07</u></b>	MAGUIRE, CONNOR. "Tracking Deadly Diseases" Biotechnology, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
<b><u>E08</u></b>	PATEL, VED & PATEL, VEER. "Silent Signals: Can our Heartbeat Reveal Risks Before Symptoms?" Biotechnology, Senior 11/12. Westmount Secondary School, HWDSB.
<b><u>E09</u></b>	LIU, DOLPHIN & WANG, HANNAH. "Skip the Scratch, See the Skin: A Bioadaptive Interface for Atopic Dermatitis Assessment & Treatment" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>E10</u></b>	WANG, MICHELLE. "Common Causes of Scaffold Failure in Published 3D Bioprinting Studies" Biotechnology, Intermediate 9/10. Hillfield Strathallan College, IND.
<b><u>E11</u></b>	MISTRY, MAYA. "How does skincare affect the skin (specifically a CTM routine) and why?" Biotechnology, Junior 7/8. C.H. Norton Public School, HDSB.
<b><u>E12</u></b>	KAR, VIVAAN & RAO, RAHUL. "NeuroRegen: A Novel Dual-Action Intranasal Nanoparticle Treatment for Alzheimer's Disease" Biotechnology, Intermediate 9/10. White Oaks Secondary School, HDSB.

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<b><u>E13</u></b>	BANERJEE, AADIT & MALHOTRA, AARAV. "Bio-Inspired Myoelectric Prosthetic Design" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>E14</u></b>	KIUNG, SABRINA. "Emerging Innovative Cell-Based Wound Dressings For Scarless Wound Healing" Biotechnology, Senior 11/12. Hillfield Strathallan College, IND.
<b><u>E15</u></b>	AMER, MARYAM & BAJAJ, SYRA. "Seal & Heal" Biotechnology, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>E16</u></b>	MALHOTRA, ISHITA. "Exploring the Viability of Egg White as a Low-Cost Biosensor Material" Biotechnology, Senior 11/12. Burlington Central High School, HDSB.
<b><u>E17</u></b>	AKUDE, ESHAAN & AL TABARANI, RAYAN. "Sarco Analyst" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>E18</u></b>	HASAN, ARHAM & SONG, ANDREW. "Blood, Sweat & Tears: Using Alternative Biofluids as Non-Invasive Indicators of Blood Glucose" Biotechnology, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
<b><u>E19</u></b>	BARTLETT, OMAR. "Gas Lift" Biotechnology, Junior 7/8. Oxford Learning Academy, IND.
<b><u>E20</u></b>	LABIB, JONATHAN. "The Impact of Semaglutide Becoming a Generic Medication" Biotechnology, Senior 11/12. King's Christian Collegiate, IND.
<b><u>F01</u></b>	DAWE, MARCUS. "The Rust-o-meter experiment: measuring household liquids rust ability." Phys & Math Sci, Junior 7/8. St. Timothy Elementary School, HCDSB.
<b><u>F02</u></b>	ALKAISI, ADAM. "Viscosity of motor oil" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
<b><u>F03</u></b>	WU, JERRY. "How does base type (KOH vs. Ca(OH) <sub>2</sub> ) affect the saponification value of coconut oil?" Phys & Math Sci, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>F04</u></b>	ZHU, ALICE & ZHU, MIA. "Plant-Powered Protection" Phys & Math Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>F05</u></b>	PIASCIK, VICTORIA. "Neutrafy" Phys & Math Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>F06</u></b>	ATIF, RUMMAN. "Bounce Boost: The Perfect Shoe Sole" Phys & Math Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>F07</u></b>	BENNET PATTON, WILLIAM & BINDIGANAVALA RAJEEV, ABHINAV. "Newton's laws of physics" Phys & Math Sci, Junior 7/8. Chedoke, HWDSB.
<b><u>F08</u></b>	AMER, MISHA. "The Science of Chromatography" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
<b><u>F09</u></b>	ARORA, IVAAN. "Performance or Price Tag?" Phys & Math Sci, Junior 7/8. Oakville Christian School, IND.
<b><u>F10</u></b>	HOARE, NOLAN. "Keeping the air clean using antibacterial air filters" Phys & Math Sci, Intermediate 9/10. Bishop Tonnos Secondary School, HCDSB.
<b><u>F11</u></b>	JOHNSTON, ANNA. "Weight Vrs Speed" Phys & Math Sci, Junior 7/8. Highview, HWDSB.
<b><u>F12</u></b>	ROHIT, VAIGA. "Drink Power" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
<b><u>F13</u></b>	SALVATORE, JOE. "Bubble Boost: A process for improving descaling efficiency using CO <sub>2</sub> infused cleaning solutions" Phys & Math Sci, Junior 7/8. St. Clare of Assisi, HCDSB.
<b><u>F14</u></b>	HARRINGTON, DAVID & MELDRUM, MARSHALL. "Does a diy magnet generatot work" Phys & Math Sci, Junior 7/8. Highview, HWDSB.

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<b><u>F15</u></b>	CUSHING, ISABELLA. "Influences and Trends of Crystal Lattice Structure on Atomic Density of Transition Metal Unit Cells" Phys & Math Sci, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>F16</u></b>	APPLETON, ELEANOR & NOBLE, LYDIA. "How different temperatures of fruit juices affect the sugar levels in citrus and tropical fruits" Phys & Math Sci, Junior 7/8. C.H. Norton Public School, HDSB.
<b><u>F17</u></b>	COONEY MANN, LEITHAN. "All natural carpet cleaning" Phys & Math Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
<b><u>F18</u></b>	JENEWAY, HARRY. "Does My Golf Shaft Matter?" Phys & Math Sci, Junior 7/8. Oakville Christian School, IND.
<b><u>F19</u></b>	PANGAN, DECLAN. "How Does the Temperature of a Tennis Ball Change How It Bounces?" Phys & Math Sci, Junior 7/8. Highview, HWDSB.
<b><u>F20</u></b>	LI, XIAOLE & XIA, PEIJIE. "Tracking NaHCO <sub>3</sub> Concentration Effects on Initial Reaction Rate via Real-Time Mass-Loss Analysis" Phys & Math Sci, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>G01</u></b>	FAN, JASON & SEOH, TOMMY. "An Analysis of Non-Nitrogenous Industrial Explosives Production for Martian Colonization" Phys & Math Sci, Intermediate 9/10. Iroquois Ridge High School, HDSB.
<b><u>G02</u></b>	ELNOUR, MATAB. "Magnetic Motor" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
<b><u>G03</u></b>	KAHRAMAN, EREN. "The Physics Of Bottle Rockets: How Water Volume Changes The Maximum Launch Height" Phys & Math Sci, Junior 7/8. Frank Panabaker South, HWDSB.
<b><u>G04</u></b>	NAGY, KAELAN. "How can structural design protect buildings against earthquakes?" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>G05</u></b>	ALSAADI, DEEMA. "Spot The Bot: Testing AI Detectors Accuracy" Eng & Comp Sci, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>G07</u></b>	MENG, MAX & SHEN, ETHAN. "Analysis of the Feasibility of Green Aircraft" Eng & Comp Sci, Junior 7/8. St. Andrew Elementary School, HCDSB.
<b><u>G08</u></b>	BIDA, YORIT. "Sanitary Circuits: Using Electronics to Enforce Hand Sanitizing" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>G10</u></b>	THOMAS, MATTHEW. "Balance boom" Eng & Comp Sci, Junior 7/8. St. Augustine, HWCDSE.
<b><u>G11</u></b>	JOHNSON, WILLIAM. "Designing a Low Cost Telescope to Make Astronomy More Accessible to Everyone" Eng & Comp Sci, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>G12</u></b>	FLETCHER, LEAH-ROSE & THOMPSON, ABBYGAYLE. "Wireless Electricity Using a Tesla Coil" Eng & Comp Sci, Junior 7/8. Cathy Wever, HWDSB.
<b><u>G13</u></b>	PAKALA, PRANEEL. "ECO guard" Eng & Comp Sci, Senior 11/12. Thomas A. Blakelock High School, HDSB.
<b><u>G14</u></b>	ALAM, DANIEL & DAWE, ETHAN. "An Evidence-Based Redesign of Handrails to Reduce Bacterial Contamination" Eng & Comp Sci, Junior 7/8. Immaculate Conception, HWCDSE.
<b><u>G16</u></b>	SARAVANAN, RAKSHAN. "R.A.P.I.D: Development of an innovative Radius Adjusting Pipe Inspection Device" Eng & Comp Sci, Senior 11/12. Ancaster High, HWDSB.

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<b><u>G17</u></b>	BHAVYA, BHAVYA. "Mental Health Tracker App" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>G18</u></b>	BUI, GRACE. "A Comparative Analysis of Model Complexity and Predictive Reliability Under Data Scarcity Conditions" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>G19</u></b>	PANDEY, AVYAAN. "Does Carbon Fiber Improve Wind Turbine Blade Efficiency?" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>G20</u></b>	LU, ETHAN. "ATLAS: An Assistive Tactile LiDAR and Acoustic System for Visually Impaired Haptic Navigation" Eng & Comp Sci, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
<b><u>G22</u></b>	DIWAN, AFFAN. "Precision Immunotherapy: Engineering Synthetic AND-Gates in T-Cells to Prevent Off-Target Toxicity." Biotechnology, Junior 7/8. École secondaire Gaétan Gervais, CSV.
<b><u>H01</u></b>	PANGI, KUSHAGRA. "What's In a Name? Examining Demographic Bias in AI Chatbot Responses" Eng & Comp Sci, Junior 7/8. Mount Albion, HWDSB.
<b><u>H02</u></b>	ABOU-ASSALEH, EDWARD. "Atmospheric Water Harvesting" Eng & Comp Sci, Junior 7/8. Rotherglen School (Oakville), IND.
<b><u>H03</u></b>	DUPONT, MAXIMUS. "PSH research project" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>H06</u></b>	INUKONDA, KAARTHIK. "DebrisClear Satellite" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>H07</u></b>	BLASUTTO, MILA & WHALING, CHARLOTTE. "GripX" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>H08</u></b>	KRONWALD, ASHWIN. "Measuring the Performance Cost of Operating System Protection Mechanisms" Eng & Comp Sci, Intermediate 9/10. North Park Collegiate and Vocational School, GEDSB.
<b><u>H09</u></b>	KULKARNI, SHIRIN. "PlantPal" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>H10</u></b>	KUDALE, ARNAV. "How accurately can an autonomous drone classify vegetation fuel types and generate flammability maps?" Eng & Comp Sci, Senior 11/12. White Oaks Secondary School, HDSB.
<b><u>H11</u></b>	KOLLI, SAHITHI & MALODE, MIHIKA. "Simply Hair" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>H12</u></b>	GREEN, FAITH. "Does AI have racism?" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>H13</u></b>	KRISHNA, AMITAV. "Frobenius Normalization Enables Stable Training for Quantum State Denoising" Eng & Comp Sci, Intermediate 9/10. Holy Trinity Catholic High School, BHNCDSD.
<b><u>H14</u></b>	KOSHY, PHOENIX. "A new era of takeout: Edible Takeout Containers" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>H15</u></b>	CHEN, ELLA & LI, EVELYN. "The Urban Heat Island Effect" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
<b><u>H16</u></b>	MARSH, CLAIRE. "Identification of Neurodevelopmental & Mental Health Conditions: An AI Approach to Reducing Barriers" Eng & Comp Sci, Senior 11/12. M. M. Robinson High School, HDSB.

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<b><u>H17</u></b>	TERLECKI, MAYA. "Husles" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>H18</u></b>	SAMDANI, ZOYA & XIA, CHANTELE. "PureFlow-microplastics filter" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
<b><u>H19</u></b>	ZHANG, SOPHIA. "AirSight: Forecasting the Future of Air Pollution Utilizing Machine Learning" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>H20</u></b>	JAYARATNA, DULAINÉ. "ChitoCase" Eng & Comp Sci, Junior 7/8. Pilgrim Wood Public School, HDSB.
<b><u>H21</u></b>	RAHIJA, ANTHONY & SARAPHANIAN, AVA. "Trash-2D2" Eng & Comp Sci, Junior 7/8. Our Lady of the Assumption, HWCDSB.
<b><u>H22</u></b>	MATHESON, EVELYN. "Flow-based Low-impact Onsite Water energy in #HamOnt (FLOW#HamOnt)" Earth & Env Sci, Junior 7/8. St. Joseph, HWCDSB.
<b><u>J01</u></b>	KATIKA, VIVAAN & SAHA, AKASH. "GloveTech - To Enhance the Basic Features of Gloves" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>J02</u></b>	BACIU, ELYSIA & BACIU, MARCUS. "Maglev" Eng & Comp Sci, Junior 7/8. Immaculate Conception, HWCDSB.
<b><u>J03</u></b>	DURCEK, MAXIMILIAN & MONOWAR, SAJID. "Material Deposition for Synthetic and Natural Growth Patterns" Eng & Comp Sci, Senior 11/12. Assumption College School, BHNCDSB.
<b><u>J06</u></b>	CHEN, YUHAN. "Temp-Controlled Fan" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>J07</u></b>	BAATAR, NANDIN & JARVIS, CADENCE. "Hurricane Preparatory Vest" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>J08</u></b>	YAN, FOR WA. "Air Quality Rover: An AI-Integrated Mobile Platform for Hyperlocal Monitoring and Prediction" Eng & Comp Sci, Intermediate 9/10. Appleby College, IND.
<b><u>J09</u></b>	AGARWAL, ESHITA. "HearGlow: Turning Sound into Awareness" Eng & Comp Sci, Intermediate 9/10. Burlington Central High School, HDSB.
<b><u>J10</u></b>	NIAZOV, LEAH. "Emotion in Motion" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>J11</u></b>	LIANG, RUICHENG & LIU, ZHANZHAO. "Optimizing Kite-Based Airborne Wind Energy Through Fluid-Structure Modeling and AI-Driven Control" Eng & Comp Sci, Intermediate 9/10. Appleby College, IND.
<b><u>J12</u></b>	STEYN, GENEVIEVE. "On the Brink of a Delightful Drink" Eng & Comp Sci, Junior 7/8. Oakville Christian School, IND.
<b><u>J13</u></b>	SOLANKI, SAISHA. "Remote controlled tank" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>J14</u></b>	MA, JACOB & SHUAI, CANDICE. "The Fight Against Plastic: Using Hydrogel-immobilized Phytoplankton to Degrade Microplastics" Earth & Env Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>J15</u></b>	JATHAR, RAJAS. "Can Plant Seeds Help Solve the World's Water Purification Problem?" Earth & Env Sci, Junior 7/8. Captain R. Wilson Public School, HDSB.
<b><u>J16</u></b>	KUDALE, IRAA. "Growing Green: Comparing Biodegradable and Plastic Pots on Soil Moisture, pH, and Seedling Growth" Earth & Env Sci, Junior 7/8. Harvest Oak Public School, HDSB.

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<b><u>J17</u></b>	KARTHIK, AKSHITA. "BloomPredict: Early Detection System for Algal Blooms in Ontario" Earth & Env Sci, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>J18</u></b>	ROBERTS, ANNABELLE. "ClearFlow AI: An AI-Based Microplastic Removal System for Freshwater Ecosystems" Earth & Env Sci, Intermediate 9/10. St. Thomas Aquinas Secondary School, HCDSB.
<b><u>J20</u></b>	GUIRGUIS, LILY & RANJITH, YAASMINA. "The ECODome" Earth & Env Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b><u>J21</u></b>	CHEERS, LUKE. "Easy Click - A Simplified TV Remote Control for People Living with Dementia" Eng & Comp Sci, Junior 7/8. St. Bernadette, HWCDSB.
<b><u>J22</u></b>	MIKAELA, JOANNA & OKEKE, NADIRA. "SMART bandage" Biotechnology, Junior 7/8. Holy Name of Jesus, HWCDSB.
<b><u>K01</u></b>	TOALDO, SOFIA & ZADLO, MAYA. "VisionFree - Braille Keyboard Cover" Eng & Comp Sci, Junior 7/8. Our Lady of the Assumption, HWCDSB.
<b><u>K05</u></b>	LEI, LETICIA (CHENGZI). "The Effect of Natural Preservatives on pH and Spoilage Rate of Pickled Vegetables" Life Sciences Non-Human, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>K06</u></b>	CHANG, SUNNIA & WU, ELENA. "The Very Hungry Caterpillar" Earth & Env Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>K07</u></b>	JING, KEVIN & NGAN, TIN LOK DANIEL. "Improving cost-effectiveness and efficiency in microplastic filtration methods using magnetic separation" Earth & Env Sci, Senior 11/12. Appleby College, IND.
<b><u>K08</u></b>	SINGH, AARYAN. "Optimizing a pH-Responsive Membrane for Synthetic Dye Removal from Simulated Textile Wastewater." Earth & Env Sci, Senior 11/12. White Oaks Secondary School, HDSB.
<b><u>K09</u></b>	MOHANTY, ARYAN. "FruitPlast: Engineering and Performance Assessment of Fruit-Derived Biopolymers" Biotechnology, Intermediate 9/10. Abbey Park High School, HDSB.
<b><u>K10</u></b>	BHATIA, KIAAN & FAIZ, MURTAZA. "Water Filtration system" Earth & Env Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
<b><u>K11</u></b>	HANNA, CELINA. "Extracting Microplastics From Water Using Ferrofluid" Earth & Env Sci, Junior 7/8. Oakville Christian School, IND.
<b><u>K12</u></b>	NAIR, ABHIRAAM. "Low-Cost Multi-Stage Activated Carbon Filtration for PFAS Analog Removal" Earth & Env Sci, Junior 7/8. St. Augustine, HWCDSB.
<b><u>K13</u></b>	SHAIKH, RAYYAN. "What is the best substitute for rock salt on roads that works efficiently AND is eco-friendly?" Earth & Env Sci, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>K14</u></b>	ABBAS, HANIA & CHATALA, AMULYA. "Coralx03" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>K15</u></b>	LUTHRA, MAYA & PARK, FIONA. "How does pH levels affect dinoflagellates and the brightness of their glow?" Earth & Env Sci, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>K16</u></b>	YUN, CELINA. "The Effects of Light Pollution on Marine Ecosystems and a Proposed Global Lighting Standard" Earth & Env Sci, Junior 7/8. St. Andrew Elementary School, HCDSB.
<b><u>K17</u></b>	KHAN, ASHER & SHAH, ZAID. "Hydraulic arm inspired by spider physiology." Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>K18</u></b>	PRAMOD, AARON. "How Might We Design a Low-cost Effective Water Filtration System" Earth & Env Sci, Junior 7/8. Immaculate Conception, HWCDSB.

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<b><u>K19</u></b>	BALAN, ASHLEE & LORTIE, AMELIA. "How Sound Vibrations Affect the Growth of Plants" Biotechnology, Senior 11/12. Garth Webb Secondary School, HDSB.
<b><u>K20</u></b>	KRUSE, MAXIMILIAN. "Testing and improving the reliability of readily available water quality testing strips" Earth & Env Sci, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>K21</u></b>	CHUKWU, AUGUSTA. "Earthquake Resistant School" Eng & Comp Sci, Junior 7/8. Holy Name of Jesus, HWCDSB.
<b><u>K22</u></b>	DHILLON, JAGJIT & PEREZ GUTIERREZ, NELSON. "BrightWater" Earth & Env Sci, Senior 11/12. King's Christian Collegiate, IND.
<b><u>L01</u></b>	QAZI, DANİYAL & QAZI, ZAYN. "PeriNet: Automated Multi-Task Deep Learning for Periapical Radiograph Analysis and Lesion Detection" Health Sciences Human, Intermediate 9/10. Iroquois Ridge High School, HDSB.
<b><u>L02</u></b>	ADAMS, ANDREW. "Garbage Shredder (Waste Reduction)" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>L03</u></b>	GUPTA, OSA & ZHANG, ASHLEY. "EndoMetrics: A Multivariable ML-Based Interface for Noninvasive Endometriosis Screening" Health Sciences Human, Senior 11/12. Iroquois Ridge High School, HDSB.
<b><u>L04</u></b>	LEBLANC, JACOB MICHAEL. "A new & Innovative Multi Chamber Catch Basin for Stormwater Management and Water Quality Improvement" Eng & Comp Sci, Senior 11/12. Abbey Park High School, HDSB.
<b><u>L05</u></b>	GROTRA, ISHAAN. "BioTune: A Wearable Biofeedback Device for Real-Time Stress Reduction Through Adaptive Sound" Biotechnology, Senior 11/12. Appleby College, IND.
<b><u>L06</u></b>	NABIL, TAMEEMAH. "Designing a Solar-Powered Smart Microgrid System for Rural Hospitals" Eng & Comp Sci, Senior 11/12. Craig Kielburger Secondary, HDSB.
<b><u>L07</u></b>	KHAN, RAMEEN. "Development of a Computer Vision System for Quantitative Wound Healing Monitoring" Biotechnology, Intermediate 9/10. Elsie Macgill Secondary School, HDSB.
<b><u>L08</u></b>	MAHARAJ, NIAM. "LebanVolt: wearable piezoelectric triboelectric generator, sustainable electricity anywhere, anytime" Eng & Comp Sci, Intermediate 9/10. Garth Webb Secondary School, HDSB.
<b><u>L10</u></b>	BOLARINWA, ISAAC & KHAN, SHEES. "EcoSort Smart Trashcan" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>L11</u></b>	HILL, KEALAN. "The Entanglement Engine: Quantum Simulation Framework" Eng & Comp Sci, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
<b><u>L12</u></b>	LEE, JAYDEN. "LeafSeg: Improving Plant Disease Detection through Artificial Intelligence" Earth & Env Sci, Intermediate 9/10. Abbey Park High School, HDSB.
<b><u>L13</u></b>	HOSSAIN, WAJED. "A Novel Gene signature for Detection of Early-to-Persistent Osimertinib Tolerance in NSCLC Cells" Health Sciences Human, Senior 11/12. Milton District High School, HDSB.
<b><u>L14</u></b>	MEHTA, VEER & SREEJITH, SATYA. "AudiSee" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>L15</u></b>	SATHISH, JYOSITH & SATISH, ADVIK. "ADJOlabs" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>L17</u></b>	RAJENDRAN, POOJA SREE. "Multimodal AI-Based Medical Assistant" Health Sciences Human, Junior 7/8. John William Boich Public School, HDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>L18</u></b>	ALAM, SHAH & MADHOTRA, MEDHANSH. "SafeRoute" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
<b><u>L19</u></b>	RAI, VATSA & SRIRAMULU, KRITHIK. "THE LEGO DRONE" Eng & Comp Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
<b><u>M01</u></b>	PARK, LANNA & SRIVASTAVA, GAURI. "Utilizing Deviation Models to Compare Generative Music Models and Classical Era Works" Phys & Math Sci, Intermediate 9/10. Iroquois Ridge High School, HDSB.
<b><u>M02</u></b>	ESAN, ROTIMI & RIAHI, ZAKARIA. "ZEMU" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>M03</u></b>	BHUSHAN, SHAURYA & KHANNA, MEHAR. "Perseas: Scaling VMG Sailing Analytics to Decarbonize Cargo Shipping" Eng & Comp Sci, Senior 11/12. Elsie Macgill Secondary School, HDSB.
<b><u>M05</u></b>	LIU, TSZ CHAI ALAN & ZHU, DANIEL. "Autonomous Modular Self-Constructing Robotic Arm using Vision-Guided PPO Reinforcement Learning" Eng & Comp Sci, Senior 11/12. Abbey Park High School, HDSB.
<b><u>M06</u></b>	AJMAL, FAIQ. "Road Ice Detection System" Eng & Comp Sci, Senior 11/12. Milton District High School, HDSB.
<b><u>M07</u></b>	GOPINAATH, VEDIKA. "Wildfire Smoke Control Using Vortex Ring Flow" Earth & Env Sci, Senior 11/12. White Oaks Secondary School, HDSB.
<b><u>M09</u></b>	KHERA, AAHANA & WERBIN, KENNETH. "Magic Bullets Have Limits: An AI Pipeline Predicting Bacterial Infections and Treatment" Eng & Comp Sci, Intermediate 9/10. Milton District High School, HDSB.
<b><u>M11</u></b>	MEHFIL, FIZA. "FROST: Harnessing Machine Learning and Radiation-Chemistry for Habitability Assessment on Europa" Eng & Comp Sci, Senior 11/12. Milton District High School, HDSB.
<b><u>M12</u></b>	MABAYYED, MAYA. "Indoor Mold Risk Monitoring and Alert System" Eng & Comp Sci, Senior 11/12. Burlington Central High School, HDSB.
<b><u>M13</u></b>	VERMA, JIA. "Project SERTA: A Genetic Variant Model for Personalized SSRI Treatment in Mood and Anxiety Disorders" Biotechnology, Senior 11/12. Oakville Trafalgar High School, HDSB.
<b><u>M14</u></b>	WANG, ANDY. "Clinically Optimized Machine Learning System for Early and More Reliable Sepsis Detection" Eng & Comp Sci, Senior 11/12. Oakville Trafalgar High School, HDSB.
<b><u>M15</u></b>	SIDDICKY, SARIM. "NeuroWeed: An Autonomous AI-Driven Robot for Efficient Weed Detection and Removal" Eng & Comp Sci, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
<b><u>M16</u></b>	MAJEWSKI, NICOLE. "Silencing the Signal: Modeling Novel Nanosponge Therapy to Disrupt Brain Cancer Metabolism" Health Sciences Human, Senior 11/12. Oakville Trafalgar High School, HDSB.
<b><u>M17</u></b>	KIRAN, YUTI. "Doctor Assistant" Eng & Comp Sci, Intermediate 9/10. Corpus Christi Secondary School, HCDSB.
<b><u>M18</u></b>	BARKMAN, TRISTAN. "Collision-Statistical Modeling of Scale-Dependent Velocity Fluctuations" Phys & Math Sci, Senior 11/12. Home Schooling, IND.
<b><u>M19</u></b>	WANG, JASMINE. "A Hierarchical Reason-Act Robot System with Transparent Decision-Making and Data-Driven Development" Eng & Comp Sci, Senior 11/12. Iroquois Ridge High School, HDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>M20</u></b>	SHAHID, MOEEN & WANG, ANDY. "Machine Learning Prediction of SSRI Response Using fMRI Connectivity" Health Sciences Human, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
<b><u>N01</u></b>	HUDSON, EDAN & YARI, RYAN. "Motion Detector Alert System" Eng & Comp Sci, Junior 7/8. Sunningdale Public School, HDSB.
<b><u>N02</u></b>	SHARMA, TANISHA. "RadianceAI - Combating Social Isolation in Seniors Through AI-Powered Companionship" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>N03</u></b>	BAJWA, KHADIJA. "From Fire to Fish: Restoring Freshwater for Indigenous Communities" Earth & Env Sci, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>N04</u></b>	HAZRA, DEVAN. "Gait Trace: ML Powered Parkinson's Detection in 30 Seconds" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>N05</u></b>	SCHROTH, LUKAS. "Are you eating bacteria?" Life Sciences Non-Human, Junior 7/8. Oakville Christian School, IND.
<b><u>N06</u></b>	MAKADA, ALIYA. "Climate-Resilient Homes: How do Building Materials Affect Indoor Air During Extremes in Hamilton?" Earth & Env Sci, Intermediate 9/10. Hillfield Strathallan College, IND.
<b><u>N07</u></b>	PAREKH, SHLOK & SHINN-CONCEPCION, KEEGAN. "'Sign Link' American Sign-Language glove" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>N08</u></b>	AMIN, SAHAR & AMMAD, ALIZA. "Trust Me, I Saw It Online" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>N09</u></b>	VYAS, AMAEY. "AmAI: Redefining Classroom AI" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>N10</u></b>	CHOWDHURY, VIVAN & ROUT, NIKIT. "Sentinel Core A Preemptive AI Breakdown Detection and Repair Model: Framework for Safer Smarter LLMs" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>N11</u></b>	DERMAN, KAIDEN. "Intrusion Detection Using Small Programmable Electronic Devices." Eng & Comp Sci, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>N12</u></b>	ABU-AMARA, RAYAN & CHOPRA, ARMAAN. "Path Finder" Eng & Comp Sci, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>N13</u></b>	RANGNEKAR, MIHIKA & SIDHU, SOPHIA. "The Effectiveness of a Portable HEPA Air Purifier in Reducing PM2.5 Generated by Incense Smoke" Earth & Env Sci, Junior 7/8. Joshua Creek Public School, HDSB.
<b><u>N14</u></b>	DE BUEGER, EMILY. "The effect of temperature on salad-dressing type emulsions made with egg yolk, mustard or garlic" Biotechnology, Senior 11/12. Westdale Secondary School, HWDSB.
<b><u>N15</u></b>	GONG, ANTHONY & MEI, MANNY. "Echo Pantry" Eng & Comp Sci, Intermediate 9/10. Upper Canada College, IND.
<b><u>N16</u></b>	ANJUM, ZOYA & BERNOU, MYRIAM MAYA. "In the right mind to remind?" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>N17</u></b>	LIU, GARY & REN, DYLAN. "Electronic Information Organizer" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
<b><u>N18</u></b>	BUDZ, EVAN. "In Situ Microplastic Detection using Holographic Imaging and AI on an Autonomous Bionic Sea Turtle" Eng & Comp Sci, Intermediate 9/10. Dr. Frank J. Hayden Secondary School, HDSB.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b><u>N19</u></b>	CAI, JEFFERY & SEHGAL, SHAURYA. "Nocturna: Predictive System for Sleep Onset Latency Using Integrated Physiological and Dietary Data" Health Sciences Human, Intermediate 9/10. Abbey Park High School, HDSB.
<b><u>N20</u></b>	CHAKKA, MUKUND & KOHLI, VEER. "Temperature Cooling System for a Phone" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
<b><u>P01</u></b>	BALAKUMAR, SUBAKARTHIK. "Calmbot : Calming robot dog for kids with anxiety." Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>P02</u></b>	CHATHAROO, KEYAAN. "Is Biomass A Sustainable Source Of Energy?" Earth & Env Sci, Intermediate 9/10. St. Kateri Tekakwitha, HCDSB.
<b><u>P03</u></b>	ALSAADI, SHAM & ALSAADI, ZENA. "NephroSense: Developing a CKD Screening Model to Explore Machine-Learning Breath Biomarker Testing" Eng & Comp Sci, Intermediate 9/10. Bishop P. F. Reding Secondary School, HCDSB.
<b><u>P04</u></b>	CHODORIWSKY, ZECHARIAH. "Does a Cat's Meow Sound Change by Region (Accent)" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
<b><u>P05</u></b>	CHODORIWSKY, ELIJAH. "Can you Teach Old Cats New Tricks" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
<b><u>P06</u></b>	BADARALA, LOHITAKSH. "AIM-VEE (AI-Based Modelling of Vertical Excitation Energies)" Eng & Comp Sci, Intermediate 9/10. Bishop P. F. Reding Secondary School, HCDSB.
<b><u>P07</u></b>	GANAPATHY, PRANEETHA. "Gesture tracking" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>P08</u></b>	DONG, TOMMY & SUN, YOLANDA. "Machine Learning Detection of Heart Failure using Gut Microbiome Samples" Biotechnology, Intermediate 9/10. Westdale Secondary School, HWDSB.
<b><u>P09</u></b>	LIU, MICHELLE & WU, MICHELLE. "The Chemistry of Resistance: Acids and Magnesium in Bacteria" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>P10</u></b>	FANTOZZI, VALERIO & RAAD, VEN. "BirdLens (intelligent bird camera)" Eng & Comp Sci, Junior 7/8. St. Gabriel Elementary School, HCDSB.
<b><u>P11</u></b>	ALMASRI, FAISAL & UHART, NICANOR. "DermAi Pro" Biotechnology, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b><u>P12</u></b>	BILAL, ZAINAB. "Logic vs. Appeal: What Happens When Cognitive Biases Interact?" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b><u>P13</u></b>	DIXIT, REYANSH & MAO, CHARLIE. "Not So Sweet : AI-Assisted Insulin Dose Calculation" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.
<b><u>P14</u></b>	DESAI, KUSH & YONG, HEYZAC. "An AI-Driven Autonomous Trash Can for Real-Time Waste Classification and Sorting" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>P15</u></b>	ABED, LAMA. "You're NOT in Control: How the Brain Predicts and Edits Reality" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
<b><u>P16</u></b>	SHAH, KAHAN. "Cube Health Monitor" Eng & Comp Sci, Senior 11/12. White Oaks Secondary School, HDSB.
<b><u>P17</u></b>	FARAG, GABRIEL. "Brains vs. Bots" Eng & Comp Sci, Junior 7/8. Oakville Christian School, IND.
<b><u>P18</u></b>	FAROOQI, MUHAMMAD ABDULLAH. "Making a Temperature Regulating Module" Eng & Comp Sci, Junior 7/8. Al-Falah Islamic School, IND.

<b>Proj. #</b>	<b>LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.</b>
<b>P19</b>	IYER, VIDYUT & NUNES, SEBASTIAN. "Building a Better Future with Facial Emotion Recognition" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b>P20</b>	JAUHARI, VIAAN. "AI-Based Early Wildfire Detection" Earth & Env Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b>P22</b>	AWAN, SOPHEYA & ZAIDI, HANIYA. "Noted" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
<b>P23</b>	CHOWDHURY, NAHIAN. "Volume to the MAX! - Acoustic Impedance System for Non-Imaging Abnormal Tissue Density Detection" Biotechnology, Senior 11/12. Westdale Secondary School, HWDSB.
<b>P24</b>	PANCHAL, HITANSHU. "Estimating the Speed of Light Through the Standing Waves of a Microwave" Phys & Math Sci, Junior 7/8. R. A. Riddell, HWDSB.
<b>P25</b>	YZERMAN, EMERSON. "ThinkBin - An innovative take on waste management" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
<b>Q02</b>	ARUNAMANIVANNAN, AKSHATH. "Nimbus AI: Artificial Intelligence Augmented Academic Development Software" Eng & Comp Sci, Intermediate 9/10. Bishop P. F. Reding Secondary School, HCDSB.
<b>Q03</b>	LEBLANC, JORDAN. "Computational Sequence-Based Prediction of Creutzfeldt-Jakob Disease with NSPDI-SNN AI Framework" Health Sciences Human, Intermediate 9/10. Abbey Park High School, HDSB.
<b>Q04</b>	SUN, EMILY. "Not One Less: A Voice-First, Privacy-Aware, Multilingual, AI Assistant for Accessible Digital Tasks" Eng & Comp Sci, Junior 7/8. Ancaster Meadow, HWDSB.
<b>Q05</b>	LAMBA, PEARL & TAHA, MASA. "The long term impacts of AI dependency" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
<b>Q06</b>	IBRAHIM, PAMELA & SARSAM, DANIELLE. "The Grassomatic" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
<b>Q07</b>	GAUTAM, ARJUN & QIAN, ETHAN. "Household Salt Performance at Ice Melting" Phys & Math Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b>Q08</b>	LUO, BETTY. "BackTracker: A Real-time Multimodal Biomechanical Posture Detection and Correction System" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
<b>Q09</b>	JI, SOPHIA. "Sit Smarter, Not Harder: Real-Time Posture Analysis Using Computer Vision" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
<b>Q10</b>	ALLARAKHIA, IMRAN. "CareBotix in Motion II: A Unified and Platform-Agnostic Humanoid Robotics System" Eng & Comp Sci, Intermediate 9/10. Abbey Park High School, HDSB.
<b>Q11</b>	STARR, HUDSON. "Is Screen Time Slowing Us?" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
<b>Q12</b>	PYARASANI, HASINI. "Glucose Responsive Patch" Biotechnology, Intermediate 9/10. White Oaks Secondary School, HDSB.
<b>Q13</b>	MULLA, SAIF & WASEEM, ZAIN. "Plant Communicator" Life Sciences Non-Human, Junior 7/8. Hawthorne Village Public School, HDSB.
<b>Q14</b>	SMEED, JOSHUA. "How can AI help Kids with time blindness get ready in the morning?" Eng & Comp Sci, Junior 7/8. Hawthorne Village Public School, HDSB.

**Proj. #** LAST NAME(S), FIRST NAME(S). "Project Title." Division, Level. School, Board.

**Q15** LU, KANG-YUN (COLIN) & PANG, BOYU. "Carbon Free Travel: Engineering a Hydrogen Storage/Delivery System Using Metal-Organic Frameworks" Eng & Comp Sci, Senior 11/12. Oakville Trafalgar High School, HDSB.

**Q16** LUO, BONNIE. "MeDAC: Modular Electrochemical Direct Air Carbon Capture Using Distributed Optimal Energy Scheduling" Eng & Comp Sci, Senior 11/12. White Oaks Secondary School, HDSB.

**Q17** WASEEM, ZOHA & WASEEM, ZOYA. "HEMO-3: A Novel Approach to Bypass the Reticuloendothelial System for Deep-Tumor Penetration" Biotechnology, Intermediate 9/10. White Oaks Secondary School, HDSB.

**Q18** POLYANSKA, MARIA. "WindDrift: Engineered Real Time Adaptive Platform for Atmospheric and Marine Sensing" Eng & Comp Sci, Intermediate 9/10. Garth Webb Secondary School, HDSB.

## Junior Level Exhibitors

**JR 7/8** LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.

**ABBAS, HANIA.** "Coralx03" K14, Earth & Env Sci. Rattlesnake Point Public School, HDSB.

**ABBAS, INAYA.** "How devices affect the perception of time and addiction in different age groups" D03, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**ABBOTT, KEIRA.** "Are You Smarter Than A 7th Grader? Part 2" E02, Health Sciences Human. C.H. Norton Public School, HDSB.

**ABED, LAMA.** "You're NOT in Control: How the Brain Predicts and Edits Reality" P15, Health Sciences Human. Dr. David R Williams, HDSB.

**ABOU-ASSALEH, EDWARD.** "Atmospheric Water Harvesting" H02, Eng & Comp Sci. Rotherglen School (Oakville), IND.

**ABU-AMARA, RAYAN.** "Path Finder" N12, Eng & Comp Sci. Joshua Creek Public School, HDSB.

**ADAMS, ANDREW.** "Garbage Shredder (Waste Reduction)" L02, Earth & Env Sci. Rattlesnake Point Public School, HDSB.

**AKANNI, SINDARA.** "Math Under Melody" C06, Health Sciences Human. Oakville Christian School, IND.

**AKUDE, ESHAAN.** "Sarco Analyst" E17, Biotechnology. W. H. Morden Public School, HDSB.

**AL BENDER, TALA.** "The IBD Capital Of The World. Why Canada?" B15, Health Sciences Human. Charles R. Beaudoin Public School, HDSB.

**AL TABARANI, RAYAN.** "Sarco Analyst" E17, Biotechnology. W. H. Morden Public School, HDSB.

**ALAM, DANIEL.** "An Evidence-Based Redesign of Handrails to Reduce Bacterial Contamination" G14, Eng & Comp Sci. Immaculate Conception, HWCDSD.

**ALAM, SHAH.** "SafeRoute" L18, Eng & Comp Sci. John William Boich Public School, HDSB.

**ALI, AYESHA.** "Does the pH of water negatively or positively impact's a plants growth" A05, Life Sciences Non-Human. Al-Falah Islamic School, IND.

**ALKAISI, ADAM.** "Viscosity of motor oil" F02, Phys & Math Sci. Oxford Learning Academy, IND.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**ALMASRI, FAISAL.** "DermAi Pro" P11, Biotechnology. Charles R. Beaudoin Public School, HDSB.

**ALPA, SYDNEY.** "Smart-Aid is an infection detection and prevention bandage." A20, Health Sciences Human. John William Boich Public School, HDSB.

**ALSAADI, DEEMA.** "Spot The Bot: Testing AI Detectors Accuracy" G05, Eng & Comp Sci. Al-Falah Islamic School, IND.

**AMER, MARYAM.** "Seal & Heal" E15, Biotechnology. Joshua Creek Public School, HDSB.

**AMER, MISHA.** "The Science of Chromatography" F08, Phys & Math Sci. Oxford Learning Academy, IND.

**AMIN, SAHAR.** "Trust Me, I Saw It Online" N08, Health Sciences Human. Al-Falah Islamic School, IND.

**AMMAD, ALIZA.** "Trust Me, I Saw It Online" N08, Health Sciences Human. Al-Falah Islamic School, IND.

**ANJUM, ZOYA.** "In the right mind to remind?" N16, Health Sciences Human. Al-Falah Islamic School, IND.

**APPLETON, ELEANOR.** "How different temperatures of fruit juices affect the sugar levels in citrus and tropical fruits" F16, Phys & Math Sci. C.H. Norton Public School, HDSB.

**ARJA, LAKSHYA.** "Are Gender Stereotypes Real?" B11, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**ARORA, IVAAN.** "Performance or Price Tag?" F09, Phys & Math Sci. Oakville Christian School, IND.

**ATIF, RUMMAN.** "Bounce Boost: The Perfect Shoe Sole" F06, Phys & Math Sci. Rattlesnake Point Public School, HDSB.

**AWAN, SOPHEYA.** "Noted" P22, Health Sciences Human. Al-Falah Islamic School, IND.

**BAATAR, NANDIN.** "Hurricane Preparatory Vest" J07, Eng & Comp Sci. John William Boich Public School, HDSB.

**BACIU, ELYSIA.** "Maglev" J02, Eng & Comp Sci. Immaculate Conception, HWCDSB.

**BACIU, MARCUS.** "Maglev" J02, Eng & Comp Sci. Immaculate Conception, HWCDSB.

**BAJAJ, SYRA.** "Seal & Heal" E15, Biotechnology. Joshua Creek Public School, HDSB.

**BAJWA, KHADIJA.** "From Fire to Fish: Restoring Freshwater for Indigenous Communities" N03, Earth & Env Sci. Al-Falah Islamic School, IND.

**BALAKUMAR, SUBAKARTHIK.** "Calmbot : Calming robot dog for kids with anxiety." P01, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**BANERJEE, AADIT.** "Bio-Inspired Myoelectric Prosthetic Design" E13, Biotechnology. W. H. Morden Public School, HDSB.

**BARKMAN, KAITLYN.** "Are We Alone in the Solar System?: Potential for Life on Mars" A04, Life Sciences Non-Human. Home Schooling, IND.

**BARTLETT, OMAR.** "Gas Lift" E19, Biotechnology. Oxford Learning Academy, IND.

**BENNET PATTON, WILLIAM.** "Newton's laws of physics" F07, Phys & Math Sci. Chedoke, HWDSB.

**BERNOU, MYRIAM MAYA.** "In the right mind to remind?" N16, Health Sciences Human. Al-Falah Islamic School, IND.

**BHATIA, KIAAN.** "Water Filtration system" K10, Earth & Env Sci. Hawthorne Village Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**BHAVYA, BHAVYA.** "Mental Health Tracker App" G17, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**BIDA, YORIT.** "Sanitary Circuits: Using Electronics to Enforce Hand Sanitizing" G08, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**BILAL, ZAINAB.** "Logic vs. Appeal: What Happens When Cognitive Biases Interact?" P12, Health Sciences Human. Al-Falah Islamic School, IND.

**BINDIGANAVALA RAJEEV, ABHINAV.** "Newton's laws of physics" F07, Phys & Math Sci. Chedoke, HWDSB.

**BLASUTTO, MILA.** "GripX" H07, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**BOLARINWA, ISAAC.** "EcoSort Smart Trashcan" L10, Earth & Env Sci. Rattlesnake Point Public School, HDSB.

**BORHAM, LEEN.** "Multifactorial Physiological and Behavioural Mechanisms Contributing to Digital Eye Strain" C08, Health Sciences Human. Munn's Public School, HDSB.

**BUI, GRACE.** "A Comparative Analysis of Model Complexity and Predictive Reliability Under Data Scarcity Conditions" G18, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**CHAKKA, MUKUND.** "Temperature Cooling System for a Phone" N20, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**CHANDRA, AHAAN.** "The test of music genres on memorisation" B17, Health Sciences Human. Hawthorne Village Public School, HDSB.

**CHANG, SUNNIA.** "The Very Hungry Caterpillar" K06, Earth & Env Sci. W. H. Morden Public School, HDSB.

**CHATALA, AMULYA.** "Coralx03" K14, Earth & Env Sci. Rattlesnake Point Public School, HDSB.

**CHEERS, LUKE.** "Easy Click - A Simplified TV Remote Control for People Living with Dementia" J21, Eng & Comp Sci. St. Bernadette, HWCDSB.

**CHEN, ELLA.** "The Urban Heat Island Effect" H15, Eng & Comp Sci. Munn's Public School, HDSB.

**CHEN, YUHAN.** "Temp-Controlled Fan" J06, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**CHODORIWSKY, ELIJAH.** "Can you Teach Old Cats New Tricks" P05, Life Sciences Non-Human. Janet Lee, HWDSB.

**CHODORIWSKY, ZECHARIAH.** "Does a Cat's Meow Sound Change by Region (Accent)" P04, Life Sciences Non-Human. Janet Lee, HWDSB.

**CHOPRA, ARMAAN.** "Path Finder" N12, Eng & Comp Sci. Joshua Creek Public School, HDSB.

**CHOWDHURY, VIVAN.** "Sentinel Core A Preemptive AI Breakdown Detection and Repair Model: Framework for Safer Smarter LLMs" N10, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**CHUKWU, AUGUSTA.** "Earthquake Resistant School" K21, Eng & Comp Sci. Holy Name of Jesus, HWCDSB.

**COONEY MANN, LEITHAN.** "All natural carpet cleaning" F17, Phys & Math Sci. Hawthorne Village Public School, HDSB.

**CURRIE, APRIL.** "How are Decisions Made?" C01, Health Sciences Human. Charles R. Beaudoin Public School, HDSB.

**DAWE, ETHAN.** "An Evidence-Based Redesign of Handrails to Reduce Bacterial Contamination" G14, Eng & Comp Sci. Immaculate Conception, HWCDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**DAWE, MARCUS.** "The Rust-o-meter experiment: measuring household liquids rust ability." F01, Phys & Math Sci. St. Timothy Elementary School, HCDSB.

**DE SILVA WIJEYERATNE, ALEXANDER.** "Do Animals Have Philosophy?" A16, Life Sciences Non-Human. St. Mary Elementary School, HCDSB.

**DERMAN, KAIDEN.** "Intrusion Detection Using Small Programmable Electronic Devices." N11, Eng & Comp Sci. Joshua Creek Public School, HDSB.

**DESAI, KUSH.** "An AI-Driven Autonomous Trash Can for Real-Time Waste Classification and Sorting" P14, Eng & Comp Sci. Dr. David R Williams, HDSB.

**DIWAN, AFFAN.** "Precision Immunotherapy: Engineering Synthetic AND-Gates in T-Cells to Prevent Off-Target Toxicity." G22, Biotechnology. École secondaire Gaétan Gervais, CSV.

**DIXIT, REYANSH.** "Not So Sweet : AI-Assisted Insulin Dose Calculation" P13, Health Sciences Human. W. H. Morden Public School, HDSB.

**DUMONT HERNANDES, LEONARDO.** "Impact of COVID-19 Pandemic on Technology Dependence, Capabilities, and Lifestyle Changes of..." C10, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**DUPONT, MAXIMUS.** "PSH research project" H03, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**DWARKA, ELYSIA.** "Smart-Aid is an infection detection and prevention bandage." A20, Health Sciences Human. John William Boich Public School, HDSB.

**EASO, SABRINA.** "Knowledge Vs. Action: Does Learning Lead to Doing?" C03, Health Sciences Human. Balaclava, HWDSB.

**ELNOUR, MATAB.** "Magnetic Motor" G02, Phys & Math Sci. Oxford Learning Academy, IND.

**ENGELS, ISABELLE.** "How does social media affect today's youth" B18, Health Sciences Human. St. Mary Elementary School, HCDSB.

**ESAN, ROTIMI.** "ZEMU" M02, Eng & Comp Sci. Dr. David R Williams, HDSB.

**FAIZ, MURTAZA.** "Water Filtration system" K10, Earth & Env Sci. Hawthorne Village Public School, HDSB.

**FANTOZZI, VALERIO.** "BirdLens (intelligent bird camera)" P10, Eng & Comp Sci. St. Gabriel Elementary School, HCDSB.

**FARAG, GABRIEL.** "Brains vs. Bots" P17, Eng & Comp Sci. Oakville Christian School, IND.

**FAROOQI, MUHAMMAD ABDULLAH.** "Making a Temperature Regulating Module" P18, Eng & Comp Sci. Al-Falah Islamic School, IND.

**FATIMA, FIZA.** "Positive VS Negative Encouragement" C19, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**FATIMA, HAREEM.** "Positive VS Negative Encouragement" C19, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**FATIMA, KHADIJA.** "From our Plates to Pathology; The Digestive Risks of Ultra-processed Foods" B03, Health Sciences Human. Palermo Public School, HDSB.

**FICK, JAMES.** "Dry Sense" J05, Earth & Env Sci. John William Boich, HDSB.

**FLETCHER, LEAH-ROSE.** "Wireless Electricity Using a Tesla Coil" G12, Eng & Comp Sci. Cathy Wever, HWDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**FUNG, JAMES.** "Impact of COVID-19 Pandemic on Technology Dependence, Capabilities, and Lifestyle Changes of..." C10, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**GANAPATHY, PRANEETHA.** "Gesture tracking" P07, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**GAO, CHLOE.** "From Sip to Spike" B06, Health Sciences Human. Oakville Christian School, IND.

**GARCIA-OTERO, SEBASTIAN.** "GO READ" C09, Health Sciences Human. St. Mary Elementary School, HCDSB.

**GOMEZ, SAMUEL.** "Don't Slip! Testing Household Materials on Ice" D04, Phys & Math Sci. Immaculate Conception, HWCDSEB.

**GREEN, FAITH.** "Does AI have racism?" H12, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**GUIRGUIS, LILY.** "The ECODome" J20, Earth & Env Sci. St. Mary Elementary School, HCDSB.

**GUPTA, RIYA.** "What is colour vision deficiency and how does it affect us?" C12, Health Sciences Human. Sunningdale Public School, HDSB.

**HAMDANI, LAILA.** "Comparing effectiveness of common household cleaning products in ability to reduce colonies" D01, Biotechnology. Palermo Public School, HDSB.

**HAMID, DANAH.** "How the physical processes of the mind generate subjective experience." D16, Health Sciences Human. Sunningdale Public School, HDSB.

**HANNA, CELINA.** "Extracting Microplastics From Water Using Ferrofluid" K11, Earth & Env Sci. Oakville Christian School, IND.

**HARINGTON, DAVID.** "Does a diy magnet generatot work" F14, Phys & Math Sci. Highview, HWDSB.

**HAZRA, DEVAN.** "Gait Trace: ML Powered Parkinson's Detection in 30 Seconds" N04, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**HE, TIANA.** "2 Lungs, 2 Stories: Healthy vs Cancerous" E01, Health Sciences Human. Dr. David R Williams, HDSB.

**HERNANDEZ LORETO, EMMA.** "Do Financial Earnings Affect Having A Certain Mental Illness within Families?" D07, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**HUANG, VALENTINA.** "The effects of cryopreservation on cellular structures" A01, Life Sciences Non-Human. Palermo Public School, HDSB.

**HUDSON, EDAN.** "Motion Detector Alert System" N01, Eng & Comp Sci. Sunningdale Public School, HDSB.

**IBRAHIM, PAMELA.** "The Grassomatic" Q06, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**INUKONDA, KAARTHIK.** "DebrisClear Satellite" H06, Eng & Comp Sci. John William Boich Public School, HDSB.

**IYER, VIDYUT.** "Building a Better Future with Facial Emotion Recognition" P19, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**JABER, KARAM.** "How does average sleep duration affect memory recall accuracy and reaction time in 8th graders?" D02, Health Sciences Human. Dr. David R Williams, HDSB.

**JARVIS, CADENCE.** "Hurricane Preparatory Vest" J07, Eng & Comp Sci. John William Boich Public School, HDSB.

**JATHAR, RAJAS.** "Can Plant Seeds Help Solve the World's Water Purification Problem?" J15, Earth & Env Sci. Captain R. Wilson Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**JAUHARI, VIAAN.** "AI-Based Early Wildfire Detection" P20, Earth & Env Sci. Charles R. Beaudoin Public School, HDSB.

**JAYARATNA, DULAINÉ.** "ChitoCase" H20, Eng & Comp Sci. Pilgrim Wood Public School, HDSB.

**JELLA, SANVI.** "How devices affect the perception of time and addiction in different age groups" D03, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**JENEWAY, HARRY.** "Does My Golf Shaft Matter?" F18, Phys & Math Sci. Oakville Christian School, IND.

**JHAM, KABIR.** "Filtering The Invisible: Analyzing How Microplastics Affect Our Bodies" C02, Earth & Env Sci. Dr. David R Williams, HDSB.

**JI, SOPHIA.** "Sit Smarter, Not Harder: Real-Time Posture Analysis Using Computer Vision" Q09, Eng & Comp Sci. Dr. David R Williams, HDSB.

**JOHNSON, PAYTON.** "What is colour vision deficiency and how does it affect us?" C12, Health Sciences Human. Sunningdale Public School, HDSB.

**JOHNSTON, ANNA.** "Weight Vrs Speed" F11, Phys & Math Sci. Highview, HWDSB.

**KADRY, HAYA.** "MealMaster" A10, Life Sciences Non-Human. John William Boich Public School, HDSB.

**KAHRAMAN, EREN.** "The Physics Of Bottle Rockets: How Water Volume Changes The Maximum Launch Height" G03, Phys & Math Sci. Frank Panabaker South, HWDSB.

**KATIKA, VIVAAN.** "GloveTech - To Enhance the Basic Features of Gloves" J01, Eng & Comp Sci. John William Boich Public School, HDSB.

**KHAN, ASHER.** "Hydraulic arm inspired by spider physiology." K17, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**KHAN, NABIHA.** "BioSkin Intelligence -Skin Conditions & Cancer Risk Screening" B10, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**KHAN, SHEES.** "EcoSort Smart Trashcan" L10, Earth & Env Sci. Rattlesnake Point Public School, HDSB.

**KHWAJA, FAIZ.** "Filtering The Invisible: Analyzing How Microplastics Affect Our Bodies" C02, Earth & Env Sci. Dr. David R Williams, HDSB.

**KOHLI, VEER.** "Temperature Cooling System for a Phone" N20, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**KOLLI, SAHITHI.** "Simply Hair" H11, Eng & Comp Sci. John William Boich Public School, HDSB.

**KOOSSA, ZAHRA.** "Are Gender Stereotypes Real?" B11, Health Sciences Human. Rattlesnake Point Public School, HDSB.

**KOSHY, PHOENIX.** "A new era of takeout: Edible Takeout Containers" H14, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**KUDALE, IRAA.** "Growing Green: Comparing Biodegradable and Plastic Pots on Soil Moisture, pH, and Seedling Growth" J16, Earth & Env Sci. Harvest Oak Public School, HDSB.

**KULKARNI, SHIRIN.** "PlantPal" H09, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**LAMBA, PEARL.** "The long term impacts of AI dependency" Q05, Health Sciences Human. Dr. David R Williams, HDSB.

**LEI, LETICIA (CHENGZI).** "The Effect of Natural Preservatives on pH and Spoilage Rate of Pickled Vegetables" K05, Life Sciences Non-Human. Joshua Creek Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**LI, EVELYN.** "The Urban Heat Island Effect" H15, Eng & Comp Sci. Munn's Public School, HDSB.

**LIU, DOLPHIN.** "Skip the Scratch, See the Skin: A Bioadaptive Interface for Atopic Dermatitis Assessment & Treatment" E09, Biotechnology. W. H. Morden Public School, HDSB.

**LIU, GARY.** "Electronic Information Organizer" N17, Eng & Comp Sci. Munn's Public School, HDSB.

**LIU, MICHELLE.** "The Chemistry of Resistance: Acids and Magnesium in Bacteria" P09, Biotechnology. W. H. Morden Public School, HDSB.

**LUO, BETTY.** "BackTracker: A Real-time Multimodal Biomechanical Posture Detection and Correction System" Q08, Eng & Comp Sci. Munn's Public School, HDSB.

**LUTHRA, MAYA.** "How does pH levels affect dinoflagellates and the brightness of their glow?" K15, Earth & Env Sci. Joshua Creek Public School, HDSB.

**MA, JACOB.** "The Fight Against Plastic: Using Hydrogel-immobilized Phytoplankton to Degrade Microplastics" J14, Earth & Env Sci. W. H. Morden Public School, HDSB.

**MADHOTRA, MEDHANSH.** "SafeRoute" L18, Eng & Comp Sci. John William Boich Public School, HDSB.

**MALHOTRA, AARAV.** "Bio-Inspired Myoelectric Prosthetic Design" E13, Biotechnology. W. H. Morden Public School, HDSB.

**MALODE, MIHIKA.** "Simply Hair" H11, Eng & Comp Sci. John William Boich Public School, HDSB.

**MAO, CHARLIE.** "Not So Sweet : AI-Assisted Insulin Dose Calculation" P13, Health Sciences Human. W. H. Morden Public School, HDSB.

**MATHESON, EVELYN.** "Flow-based Low-impact Onsite Water energy in #HamOnt (FLOW#HamOnt)" H22, Earth & Env Sci. St. Joseph, HWCDSB.

**MATTHEWS ROLFE, MADDIE.** "A Hunch About The Crunch" B13, Health Sciences Human. W. H. Morden Public School, HDSB.

**MATYJAS, LILLIAN.** "S.I.G.N.A.L." B16, Eng & Comp Sci. John William Boich Public School, HDSB.

**MCCAUGHEN, SIENNA.** "Environmental Effects on Personality" D06, Health Sciences Human. Janet Lee, HWDSB.

**MEHTA, VEER.** "AudiSee" L14, Eng & Comp Sci. John William Boich Public School, HDSB.

**MELDRUM, MARSHALL.** "Does a diy magnet generatot work" F14, Phys & Math Sci. Highview, HWDSB.

**MENG, MAX.** "Analysis of the Feasibility of Green Aircraft" G07, Eng & Comp Sci. St. Andrew Elementary School, HCDSB.

**MIKAELA, JOANNA.** "SMART bandage" J22, Biotechnology. Holy Name of Jesus, HWCDSB.

**MISTRY, MAYA.** "How does skincare affect the skin (specifically a CTM routine) and why?" E11, Biotechnology. C.H. Norton Public School, HDSB.

**MUHAMMAD ZAHEER, AAHIL.** "How does average sleep duration affect memory recall accuracy and reaction time in 8th graders?" D02, Health Sciences Human. Dr. David R Williams, HDSB.

**MULLA, SAIF.** "Plant Communicator" Q13, Life Sciences Non-Human. Hawthorne Village Public School, HDSB.

**MUNDA, SAFEEYA.** "Your Thoughts Affect you More Than You Think" C18, Health Sciences Human. Al-Falah Islamic School, IND.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**MUNJAL, REET.** "From our Plates to Pathology; The Digestive Risks of Ultra-processed Foods" B03, Health Sciences Human. Palermo Public School, HDSB.

**MURALIDHAR, REYA.** "Does the Presence of Devices Affect Concentration and Cognitive Ability?" B07, Health Sciences Human. Eastdale, HWDSB.

**MUTHUKUMARANA, IMIRA.** "AI Verses Human" C17, Health Sciences Human. St. Matthew, HWCDSB.

**NAGRA, NAVJOT.** "GermDetect Glasses" A08, Life Sciences Non-Human. John William Boich Public School, HDSB.

**NAGY, KAELAN.** "How can structural design protect buildings against earthquakes?" G04, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**NAIR, ABHIRAAM.** "Low-Cost Multi-Stage Activated Carbon Filtration for PFAS Analog Removal" K12, Earth & Env Sci. St. Augustine, HWCDSB.

**NASTASE, ANA.** "Mind Over Melodies" B14, Health Sciences Human. W. H. Morden Public School, HDSB.

**NIAZOV, LEAH.** "Emotion in Motion" J10, Eng & Comp Sci. John William Boich Public School, HDSB.

**NOBLE, LYDIA.** "How different temperatures of fruit juices affect the sugar levels in citrus and tropical fruits" F16, Phys & Math Sci. C.H. Norton Public School, HDSB.

**NUNES, SEBASTIAN.** "Building a Better Future with Facial Emotion Recognition" P19, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**OKEKE, NADIRA.** "SMART bandage" J22, Biotechnology. Holy Name of Jesus, HWCDSB.

**OLORUNTOBA, DAMISI.** "Catching Zs With L.E.Ds" C07, Health Sciences Human. Oakville Christian School, IND.

**OWEDE, OLIVIA.** "Mood and Mindset" D10, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**PACIFICI, ELI.** "Hotter, harder, deadlier; combatting the effects of climate change in sport" D13, Health Sciences Human. St. Bernadette, HWCDSB.

**PAN, ELIN.** "Extracting and Comparing DNA: Does Chromosome Count Affect Yield?" A03, Life Sciences Non-Human. Charles R. Beaudoin Public School, HDSB.

**PANCHAL, HITANSHU.** "Estimating the Speed of Light Through the Standing Waves of a Microwave" P24, Phys & Math Sci. R. A. Riddell, HWDSB.

**PANDEY, AVYAAN.** "Does Carbon Fiber Improve Wind Turbine Blade Efficiency?" G19, Eng & Comp Sci. Dr. David R Williams, HDSB.

**PANDYA, ISHA.** "GermDetect Glasses" A08, Life Sciences Non-Human. John William Boich Public School, HDSB.

**PANGAN, DECLAN.** "How Does the Temperature of a Tennis Ball Change How It Bounces?" F19, Phys & Math Sci. Highview, HWDSB.

**PANGI, KUSHAGRA.** "What's In a Name? Examining Demographic Bias in AI Chatbot Responses" H01, Eng & Comp Sci. Mount Albion, HWDSB.

**PAREKH, SHLOK.** "'Sign Link' American Sign-Language glove" N07, Eng & Comp Sci. Dr. David R Williams, HDSB.

**PARK, FIONA.** "How does pH levels affect dinoflagellates and the brightness of their glow?" K15, Earth & Env Sci. Joshua Creek Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**PAUL, CHRISTINE.** "Future of Faculty" B20, Health Sciences Human. Oakville Christian School, IND.

**PAUL, JOANNE.** "Future of Faculty" B20, Health Sciences Human. Oakville Christian School, IND.

**PIASCIK, VICTORIA.** "Neutrafy" F05, Phys & Math Sci. St. Mary Elementary School, HCDSB.

**PRAMOD, AARON.** "How Might We Design a Low-cost Effective Water Filtration System" K18, Earth & Env Sci. Immaculate Conception, HWCDSB.

**PZYTULA, ZANE.** "Ants versus Humans" A09, Life Sciences Non-Human. St. Matthew, HWCDSB.

**QIAN, ETHAN.** "Household Salt Performance at Ice Melting" Q07, Phys & Math Sci. Dr. David R Williams, HDSB.

**RAAD, VEN.** "BirdLens (intelligent bird camera)" P10, Eng & Comp Sci. St. Gabriel Elementary School, HCDSB.

**RAHIJA, ANTHONY.** "Trash-2D2" H21, Eng & Comp Sci. Our Lady of the Assumption, HWCDSB.

**RAI, VATSA.** "THE LEGO DRONE" L19, Eng & Comp Sci. Hawthorne Village Public School, HDSB.

**RAJENDRAN, POOJA SREE.** "Multimodal AI-Based Medical Assistant" L17, Health Sciences Human. John William Boich Public School, HDSB.

**RANGNEKAR, MIHIKA.** "The Effectiveness of a Portable HEPA Air Purifier in Reducing PM2.5 Generated by Incense Smoke" N13, Earth & Env Sci. Joshua Creek Public School, HDSB.

**RANJITH, YAASMINA.** "The ECODome" J20, Earth & Env Sci. St. Mary Elementary School, HCDSB.

**REN, DYLAN.** "Electronic Information Organizer" N17, Eng & Comp Sci. Munn's Public School, HDSB.

**RIAHI, ZAKARIA.** "ZEMU" M02, Eng & Comp Sci. Dr. David R Williams, HDSB.

**RICHARDSON, ELSIE.** "A Hunch About The Crunch" B13, Health Sciences Human. W. H. Morden Public School, HDSB.

**ROHIT, VAIGA.** "Drink Power" F12, Phys & Math Sci. Oxford Learning Academy, IND.

**ROUT, NIKIT.** "Sentinel Core A Preemptive AI Breakdown Detection and Repair Model: Framework for Safer Smarter LLMs" N10, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**RZECZKOWSKI, VICTORIA.** "AquaSweep" D18, Biotechnology. St. Mary Elementary School, HCDSB.

**SABOGAL, EMMA.** "How does social media affect today's youth" B18, Health Sciences Human. St. Mary Elementary School, HCDSB.

**SAHA, AKASH.** "GloveTech - To Enhance the Basic Features of Gloves" J01, Eng & Comp Sci. John William Boich Public School, HDSB.

**SALMAN, HASAN.** "K.O! The correlation between video games and anger issues." C05, Health Sciences Human. Al-Falah Islamic School, IND.

**SALVATORE, JOE.** "Bubble Boost: A process for improving descaling efficiency using CO2 infused cleaning solutions" F13, Phys & Math Sci. St. Clare of Assisi, HWCDSB.

**SAMDANI, ZOYA.** "PureFlow-microplastics filter" H18, Eng & Comp Sci. Munn's Public School, HDSB.

**SANGHA, SAVANNAH.** "Microplastics in Food and Beverage" D20, Health Sciences Human. Foundations Montessori School, IND.

**SARAPHANIAN, AVA.** "Trash-2D2" H21, Eng & Comp Sci. Our Lady of the Assumption, HWCDSB.

**SARSAM, DANIELLE.** "The Grassomatic" Q06, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**SATHISH, JYOSITH.** "ADJOLabs" L15, Eng & Comp Sci. John William Boich Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**SATISH, ADVIK.** "ADJOLabs" L15, Eng & Comp Sci. John William Boich Public School, HDSB.

**SCHROTH, LUKAS.** "Are you eating bacteria?" N05, Life Sciences Non-Human. Oakville Christian School, IND.

**SHAH, ZAID.** "Hydraulic arm inspired by spider physiology." K17, Eng & Comp Sci. Rattlesnake Point Public School, HDSB.

**SHAHID, AZKA.** "Does What We Smell Affect How We Feel?" B01, Health Sciences Human. Lake Avenue, HWDSB.

**SHAIKH, RAYYAN.** "What is the best substitute for rock salt on roads that works efficiently AND is eco-friendly?" K13, Earth & Env Sci. Al-Falah Islamic School, IND.

**SHARMA, NEHA.** "Does What We Smell Affect How We Feel?" B01, Health Sciences Human. Lake Avenue, HWDSB.

**SHARMA, SAANVI.** "Comparing effectiveness of common household cleaning products in ability to reduce colonies" D01, Biotechnology. Palermo Public School, HDSB.

**SHARMA, TANISHA.** "RadianceAI - Combating Social Isolation in Seniors Through AI-Powered Companionship" N02, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**SHARPE, ANDREW.** "Germ Mystery: What's Beneath Our School's Everyday Surfaces" A15, Life Sciences Non-Human. St. Andrew Elementary School, HCDSB.

**SHEN, ETHAN.** "Analysis of the Feasibility of Green Aircraft" G07, Eng & Comp Sci. St. Andrew Elementary School, HCDSB.

**SHINN-CONCEPCION, KEEGAN.** "'Sign Link' American Sign-Language glove" N07, Eng & Comp Sci. Dr. David R Williams, HDSB.

**SHUAI, CANDICE.** "The Fight Against Plastic: Using Hydrogel-immobilized Phytoplankton to Degrade Microplastics" J14, Earth & Env Sci. W. H. Morden Public School, HDSB.

**SIDHU, SOPHIA.** "The Effectiveness of a Portable HEPA Air Purifier in Reducing PM2.5 Generated by Incense Smoke" N13, Earth & Env Sci. Joshua Creek Public School, HDSB.

**SMEED, JOSHUA.** "How can AI help Kids with time blindness get ready in the morning?" Q14, Eng & Comp Sci. Hawthorne Village Public School, HDSB.

**SMITH, AVA.** "Do Financial Earnings Affect Having A Certain Mental Illness within Families?" D07, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**SOLANKI, SAISHA.** "Remote controlled tank" J13, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**SREEJITH, SATYA.** "AudiSee" L14, Eng & Comp Sci. John William Boich Public School, HDSB.

**SRIRAMULU, KRITHIK.** "THE LEGO DRONE" L19, Eng & Comp Sci. Hawthorne Village Public School, HDSB.

**STARR, HUDSON.** "Is Screen Time Slowing Us?" Q11, Health Sciences Human. Oakville Christian School, IND.

**STEYN, GENEVIEVE.** "On the Brink of a Delightful Drink" J12, Eng & Comp Sci. Oakville Christian School, IND.

**STOKES, ISLA.** "Extracting and Comparing DNA: Does Chromosome Count Affect Yield?" A03, Life Sciences Non-Human. Charles R. Beaudoin Public School, HDSB.

**SUN, EMILY.** "Not One Less: A Voice-First, Privacy-Aware, Multilingual, AI Assistant for Accessible Digital Tasks" Q04, Eng & Comp Sci. Ancaster Meadow, HWDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**SUNNUCKS, ANGELICA.** "Pros/Cons of Living in a Zoo For Animals" A13, Life Sciences Non-Human. Janet Lee, HWDSB.

**TAHA, MASA.** "The long term impacts of AI dependency" Q05, Health Sciences Human. Dr. David R Williams, HDSB.

**TATARIA, DHAIRYA.** "Dry Sense" J05, Earth & Env Sci. John William Boich, HDSB.

**TERLECKI, MAYA.** "Husles" H17, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**THOMAS, MATTHEW.** "Balance boom" G10, Eng & Comp Sci. St. Augustine, HWCDSD.

**THOMPSON, ABBYGAYLE.** "Wireless Electricity Using a Tesla Coil" G12, Eng & Comp Sci. Cathy Wever, HWDSB.

**TOALDO, SOFIA.** "VisionFree - Braille Keyboard Cover" K01, Eng & Comp Sci. Our Lady of the Assumption, HWCDSD.

**TUMMON, ZOE.** "Are You Smarter Than A 7th Grader? Part 2" E02, Health Sciences Human. C.H. Norton Public School, HDSB.

**UHART, NICANOR.** "DermAi Pro" P11, Biotechnology. Charles R. Beaudoin Public School, HDSB.

**UZER, ASYA.** "How are Decisions Made?" C01, Health Sciences Human. Charles R. Beaudoin Public School, HDSB.

**VAN ALSTINE, JAKE.** "Don't Slip! Testing Household Materials on Ice" D04, Phys & Math Sci. Immaculate Conception, HWCDSD.

**VIVEK, MEGHNA.** "2 Lungs, 2 Stories: Healthy vs Cancerous" E01, Health Sciences Human. Dr. David R Williams, HDSB.

**VIVERA, ALINA.** "Mood and Mindset" D10, Health Sciences Human. St. Andrew Elementary School, HCDSB.

**VYAS, AMAEY.** "AmAI: Redefining Classroom AI" N09, Eng & Comp Sci. Charles R. Beaudoin Public School, HDSB.

**WANG, HANNAH.** "Skip the Scratch, See the Skin: A Bioadaptive Interface for Atopic Dermatitis Assessment & Treatment" E09, Biotechnology. W. H. Morden Public School, HDSB.

**WASEEM, SHEHRYAR.** "Acid vs Enamel: An Investigation Into Effective Treatments for Combating Tooth Enamel Erosion" B04, Health Sciences Human. Al-Falah Islamic School, IND.

**WASEEM, ZAIN.** "Plant Communicator" Q13, Life Sciences Non-Human. Hawthorne Village Public School, HDSB.

**WHALING, CHARLOTTE.** "GripX" H07, Eng & Comp Sci. St. Mary Elementary School, HCDSB.

**WILSON, JULIA.** "Worth the Warmup?" B12, Health Sciences Human. Oakville Christian School, IND.

**WU, ELENA.** "The Very Hungry Caterpillar" K06, Earth & Env Sci. W. H. Morden Public School, HDSB.

**WU, MICHELLE.** "The Chemistry of Resistance: Acids and Magnesium in Bacteria" P09, Biotechnology. W. H. Morden Public School, HDSB.

**XIA, CHANTELE.** "PureFlow-microplastics filter" H18, Eng & Comp Sci. Munn's Public School, HDSB.

**XU, ANNIE.** "S.I.G.N.A.L" B16, Eng & Comp Sci. John William Boich Public School, HDSB.

**YARI, RYAN.** "Motion Detector Alert System" N01, Eng & Comp Sci. Sunningdale Public School, HDSB.

**JR 7/8      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**YONG, HEYZAC.** "An AI-Driven Autonomous Trash Can for Real-Time Waste Classification and Sorting" P14, Eng & Comp Sci. Dr. David R Williams, HDSB.

**YOUSEFIZAD, ADRIAN.** "Plants, Nature's Carbon Capture Machine" A12, Life Sciences Non-Human. Charles R. Beaudoin Public School, HDSB.

**YUAN, RUTH.** "The Cognitive and Psychological Effects of Anesthesia on Individuals Diagnosed with Schizophrenia" C20, Health Sciences Human. Sunningdale Public School, HDSB.

**YUN, CELINA.** "The Effects of Light Pollution on Marine Ecosystems and a Proposed Global Lighting Standard" K16, Earth & Env Sci. St. Andrew Elementary School, HCDSB.

**ZADLO, MAYA.** "VisionFree - Braille Keyboard Cover" K01, Eng & Comp Sci. Our Lady of the Assumption, HWCDSB.

**ZAIDI, HANIYA.** "Noted" P22, Health Sciences Human. Al-Falah Islamic School, IND.

**ZHANG, SOPHIA.** "AirSight: Forecasting the Future of Air Pollution Utilizing Machine Learning" H19, Eng & Comp Sci. W. H. Morden Public School, HDSB.

**ZHU, ALICE.** "Plant-Powered Protection" F04, Phys & Math Sci. W. H. Morden Public School, HDSB.

**ZHU, MIA.** "Plant-Powered Protection" F04, Phys & Math Sci. W. H. Morden Public School, HDSB.

## ***Intermediate Level Exhibitors***

**INT 9/10      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**AGARWAL, ESHITA.** "HearGlow: Turning Sound into Awareness" J09, Eng & Comp Sci. Burlington Central High School, HDSB.

**AL-KHAFAJI, MARIAM.** "Hypoestrogenism-Induced Postmenopausal Osteoporosis: Literacy Disparities & Prophylactic Efficacy" A18, Health Sciences Human. White Oaks Secondary School, HDSB.

**ALLARAKHIA, IMRAN.** "CareBotix in Motion II: A Unified and Platform-Agnostic Humanoid Robotics System" Q10, Eng & Comp Sci. Abbey Park High School, HDSB.

**ALSAADI, SHAM.** "NephroSense: Developing a CKD Screening Model to Explore Machine-Learning Breath Biomarker Testing" P03, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**ALSAADI, ZENA.** "NephroSense: Developing a CKD Screening Model to Explore Machine-Learning Breath Biomarker Testing" P03, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**ARUNAMANIVANNAN, AKSHATH.** "Nimbus AI: Artificial Intelligence Augmented Academic Development Software" Q02, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**BADARALA, LOHITAKSH.** "AIM-VEE (AI-Based Modelling of Vertical Excitation Energies)" P06, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**BUDZ, EVAN.** "In Situ Microplastic Detection using Holographic Imaging and AI on an Autonomous Bionic Sea Turtle" N18, Eng & Comp Sci. Dr. Frank J. Hayden Secondary School, HDSB.

**CAI, JEFFERY.** "Nocturna: Predictive System for Sleep Onset Latency Using Integrated Physiological and Dietary Data" N19, Health Sciences Human. Abbey Park High School, HDSB.

**CALDWELL, BROOKLYN.** "Assessing Equine Peptic Ulcers Through Appearance" A07, Life Sciences Non-Human. Garth Webb Secondary School, HDSB.

**INT 9/10 LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**CHATHAROO, KEYAAN.** "Is Biomass A Sustainable Source Of Energy?" P02, Earth & Env Sci. St. Kateri Tekakwitha, HCDSB.

**DONG, TOMMY.** "Machine Learning Detection of Heart Failure using Gut Microbiome Samples" P08, Biotechnology. Westdale Secondary School, HWDSB.

**FAN, JASON.** "An Analysis of Non-Nitrogenous Industrial Explosives Production for Martian Colonization" G01, Phys & Math Sci. Iroquois Ridge High School, HDSB.

**HAIDER, HUSSAIN.** "Species-Dependant Biofilm Inhibition through Vitamin C" A17, Life Sciences Non-Human. Hillfield Strathallan College, IND.

**HAMIDANI, ARIANA.** "The Relationship Between Sleep Time Period and Memory Performance in 9th Graders" B09, Health Sciences Human. Garth Webb Secondary School, HDSB.

**HOARE, NOLAN.** "Keeping the air clean using antibacterial air filters" F10, Phys & Math Sci. Bishop Tonnos Secondary School, HWCDSD.

**IYILADE, SOPHIA.** "Tuning In to the Deadline: A Study on how Music Affects Cognitive Performance under Time Pressure" C16, Health Sciences Human. Iroquois Ridge High School, HDSB.

**KAR, VIVAAN.** "NeuroRegen: A Novel Dual-Action Intranasal Nanoparticle Treatment for Alzheimer's Disease" E12, Biotechnology. White Oaks Secondary School, HDSB.

**KARTHIK, AKSHITA.** "BloomPredict: Early Detection System for Algal Blooms in Ontario" J17, Earth & Env Sci. Garth Webb Secondary School, HDSB.

**KHAN, RAMEEN.** "Development of a Computer Vision System for Quantitative Wound Healing Monitoring" L07, Biotechnology. Elsie Macgill Secondary School, HDSB.

**KHERA, AAHANA.** "Magic Bullets Have Limits: An AI Pipeline Predicting Bacterial Infections and Treatment" M09, Eng & Comp Sci. Milton District High School, HDSB.

**KIM, ELLIE.** "The Effects of Tai Chi on Elderly's Gate and Balance" C15, Health Sciences Human. Garth Webb Secondary School, HDSB.

**KIRAN, YUTI.** "Doctor Assistant" M17, Eng & Comp Sci. Corpus Christi Secondary School, HCDSB.

**KRISHNA, AMITAV.** "Frobenius Normalization Enables Stable Training for Quantum State Denoising" H13, Eng & Comp Sci. Holy Trinity Catholic High School, BHNCDSB.

**KRONWALD, ASHWIN.** "Measuring the Performance Cost of Operating System Protection Mechanisms" H08, Eng & Comp Sci. North Park Collegiate and Vocational School, GEDSB.

**LEBLANC, JORDAN.** "Computational Sequence-Based Prediction of Creutzfeldt-Jakob Disease with NSPDI-SNN AI Framework" Q03, Health Sciences Human. Abbey Park High School, HDSB.

**LEE, JAYDEN.** "LeafSeg: Improving Plant Disease Detection through Artificial Intelligence" L12, Earth & Env Sci. Abbey Park High School, HDSB.

**LIANG, RUICHENG.** "Optimizing Kite-Based Airborne Wind Energy Through Fluid-Structure Modeling and AI-Driven Control" J11, Eng & Comp Sci. Appleby College, IND.

**LIN, ABIGAIL.** "Cracking Osmosis" A14, Life Sciences Non-Human. Holy Trinity Secondary School, HCDSB.

**LIU, LYDIA.** "Early Detection of Familial ALS Using a Transcriptome-Derived Molecular Instability Index" C14, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**LIU, ZHANZHAO.** "Optimizing Kite-Based Airborne Wind Energy Through Fluid-Structure Modeling and AI-Driven Control" J11, Eng & Comp Sci. Appleby College, IND.

**MAHARAJ, NIAM.** "LebanVolt: wearable piezoelectric triboelectric generator, sustainable electricity anywhere, anytime" L08, Eng & Comp Sci. Garth Webb Secondary School, HDSB.

**INT 9/10 LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**MAKADA, ALIYA.** "Climate-Resilient Homes: How do Building Materials Affect Indoor Air During Extremes in Hamilton?" N06, Earth & Env Sci. Hillfield Strathallan College, IND.

**MAWJI, AYAAN.** "NeuroMind AI" A19, Health Sciences Human. Corpus Christi Secondary School, HCDSB.

**MOHANTY, ARYAN.** "FruitPlast: Engineering and Performance Assessment of Fruit-Derived Biopolymers" K09, Biotechnology. Abbey Park High School, HDSB.

**PARK, LANNA.** "Utilizing Deviation Models to Compare Generative Music Models and Classical Era Works" M01, Phys & Math Sci. Iroquois Ridge High School, HDSB.

**POLYANSKA, MARIA.** "WindDrift: Engineered Real Time Adaptive Platform for Atmospheric and Marine Sensing" Q18, Eng & Comp Sci. Garth Webb Secondary School, HDSB.

**PYARASANI, HASINI.** "Glucose Responsive Patch" Q12, Biotechnology. White Oaks Secondary School, HDSB.

**QAZI, DANIYAL.** "PeriNet: Automated Multi-Task Deep Learning for Periapical Radiograph Analysis and Lesion Detection" L01, Health Sciences Human. Iroquois Ridge High School, HDSB.

**QAZI, ZAYN.** "PeriNet: Automated Multi-Task Deep Learning for Periapical Radiograph Analysis and Lesion Detection" L01, Health Sciences Human. Iroquois Ridge High School, HDSB.

**RAO, RAHUL.** "NeuroRegen: A Novel Dual-Action Intranasal Nanoparticle Treatment for Alzheimer's Disease" E12, Biotechnology. White Oaks Secondary School, HDSB.

**REN, RENEE.** "Engineering a Smart Probiotic-Based Drug Delivery Device for Gut-Lung Axis Targeted Immunotherapy" E04, Biotechnology. Appleby College, IND.

**ROBERTS, ANNABELLE.** "ClearFlow AI: An AI-Based Microplastic Removal System for Freshwater Ecosystems" J18, Earth & Env Sci. St. Thomas Aquinas Secondary School, HCDSB.

**SEHGAL, SHAURYA.** "Nocturna: Predictive System for Sleep Onset Latency Using Integrated Physiological and Dietary Data" N19, Health Sciences Human. Abbey Park High School, HDSB.

**SEOH, TOMMY.** "An Analysis of Non-Nitrogenous Industrial Explosives Production for Martian Colonization" G01, Phys & Math Sci. Iroquois Ridge High School, HDSB.

**SHAHID, MOEEN.** "Machine Learning Prediction of SSRI Response Using fMRI Connectivity" M20, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**SIDDICKY, SARIM.** "NeuroWeed: An Autonomous AI-Driven Robot for Efficient Weed Detection and Removal" M15, Eng & Comp Sci. Oakville Trafalgar High School, HDSB.

**SINGH, AVANI.** "Hypoestrogenism-Induced Postmenopausal Osteoporosis: Literacy Disparities & Prophylactic Efficacy" A18, Health Sciences Human. White Oaks Secondary School, HDSB.

**SRIVASTAVA, GAURI.** "Utilizing Deviation Models to Compare Generative Music Models and Classical Era Works" M01, Phys & Math Sci. Iroquois Ridge High School, HDSB.

**SUN, MICAH.** "MD + CFD testing of biomaterials to improve O2 transfer and hemocompatibility in artificial lungs" B19, Health Sciences Human. Craig Kielburger Secondary, HDSB.

**SUN, YOLANDA.** "Machine Learning Detection of Heart Failure using Gut Microbiome Samples" P08, Biotechnology. Westdale Secondary School, HWDSB.

**TAN, SIQI.** "Persistent-Homology Guided Pseudotime Framework Reveals Cyclic Transcriptional States in PDAC" C11, Health Sciences Human. Iroquois Ridge High School, HDSB.

**TENG, CAROL.** "Testing Peto's Paradox: Modeling Cancer Risks Through Mammalian Body Size" A02, Life Sciences Non-Human. White Oaks Secondary School, HDSB.

**INT 9/10 LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**VARDHAN, NIMISH.** "NeuroMind AI" A19, Health Sciences Human. Corpus Christi Secondary School, HCDSB.

**VIJ, LEISHA.** "The Relationship Between Sleep Time Period and Memory Performance in 9th Graders" B09, Health Sciences Human. Garth Webb Secondary School, HDSB.

**WANG, ANDY.** "Machine Learning Prediction of SSRI Response Using fMRI Connectivity" M20, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**WANG, MICHELLE.** "Common Causes of Scaffold Failure in Published 3D Bioprinting Studies" E10, Biotechnology. Hillfield Strathallan College, IND.

**WASEEM, ZOHA.** "HEMO-3: A Novel Approach to Bypass the Reticuloendothelial System for Deep-Tumor Penetration" Q17, Biotechnology. White Oaks Secondary School, HDSB.

**WASEEM, ZOYA.** "HEMO-3: A Novel Approach to Bypass the Reticuloendothelial System for Deep-Tumor Penetration" Q17, Biotechnology. White Oaks Secondary School, HDSB.

**WEI, NANCY.** "Color Recognition and Failure to Track Dementia Disease's Progression" B02, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**WERBIN, KENNETH.** "Magic Bullets Have Limits: An AI Pipeline Predicting Bacterial Infections and Treatment" M09, Eng & Comp Sci. Milton District High School, HDSB.

**WONDERS, ALEXANDRA.** "The Psychology of the Mandela Effect: Is age a Variable in Accuracy?" B08, Health Sciences Human. Garth Webb Secondary School, HDSB.

**WONG, CHARLOTTE.** "Early Detection of Familial ALS Using a Transcriptome-Derived Molecular Instability Index" C14, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**XU, JACQUELINE.** "Psychology's Place in Crime and Court" D17, Health Sciences Human. Garth Webb Secondary School, HDSB.

**YAN, FOR WA.** "Air Quality Rover: An AI-Integrated Mobile Platform for Hyperlocal Monitoring and Prediction" J08, Eng & Comp Sci. Appleby College, IND.

## Senior Level Exhibitors

**SR 11/12 LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**AJMAL, FAIQ.** "Road Ice Detection System" M06, Eng & Comp Sci. Milton District High School, HDSB.

**ANGLEHART, KARLY.** "Under Pressure: How Climate Crisis Exposure Impairs Teen Cognition" C13, Health Sciences Human. Elsie Macgill Secondary School, HDSB.

**BALAN, ASHLEE.** "How Sound Vibrations Affect the Growth of Plants" K19, Biotechnology. Garth Webb Secondary School, HDSB.

**BARKMAN, HEATHER.** "Can CRISPR Be Used to Enable Cryogenic Freezing?" C04, Health Sciences Human. Canadian Virtual School, IND.

**BARKMAN, TRISTAN.** "Collision-Statistical Modeling of Scale-Dependent Velocity Fluctuations" M18, Phys & Math Sci. Home Schooling, IND.

**BHUSHAN, SHAURYA.** "Perseas: Scaling VMG Sailing Analytics to Decarbonize Cargo Shipping" M03, Eng & Comp Sci. Elsie Macgill Secondary School, HDSB.

**CAI, YIYUN.** "Investigating the Influence of Steroid Hormones on Breast Cancer Progression" D19, Health Sciences Human. Appleby College, IND.

**SR 11/12 LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**CHOWDHURY, NAHIAN.** "Volume to the MAX! - Acoustic Impedance System for Non-Imaging Abnormal Tissue Density Detection" P23, Biotechnology. Westdale Secondary School, HWDSB.

**CUSHING, ISABELLA.** "Influences and Trends of Crystal Lattice Structure on Atomic Density of Transition Metal Unit Cells" F15, Phys & Math Sci. Westdale Secondary School, HWDSB.

**DE BUEGER, EMILY.** "The effect of temperature on salad-dressing type emulsions made with egg yolk, mustard or garlic" N14, Biotechnology. Westdale Secondary School, HWDSB.

**DHILLON, JAGJIT.** "BrightWater" K22, Earth & Env Sci. King's Christian Collegiate, IND.

**DUAN, EVA.** "ASCEND: A Novel Brain-Shuttle Antisense Therapy for Targeted RNA Repair in ALS" E03, Biotechnology. Oakville Trafalgar High School, HDSB.

**DURCEK, MAXIMILIAN.** "Material Deposition for Synthetic and Natural Growth Patterns" J03, Eng & Comp Sci. Assumption College School, BHNCDSE.

**EUM, TAEYEON.** "ASCEND: A Novel Brain-Shuttle Antisense Therapy for Targeted RNA Repair in ALS" E03, Biotechnology. Oakville Trafalgar High School, HDSB.

**GOPINAATH, VEDIKA.** "Wildfire Smoke Control Using Vortex Ring Flow" M07, Earth & Env Sci. White Oaks Secondary School, HDSB.

**GROTRA, ISHAAN.** "BioTune: A Wearable Biofeedback Device for Real-Time Stress Reduction Through Adaptive Sound" L05, Biotechnology. Appleby College, IND.

**GUPTA, OSA.** "EndoMetrics: A Multivariable ML-Based Interface for Noninvasive Endometriosis Screening" L03, Health Sciences Human. Iroquois Ridge High School, HDSB.

**HARIHARA, VIKRANT.** "Can the Latissimus Dorsi be Regionally Activated? Evaluating Biomechanical and Neural Factors" B05, Health Sciences Human. Burlington Central High School, HDSB.

**HASAN, ARHAM.** "Blood, Sweat & Tears: Using Alternative Biofluids as Non-Invasive Indicators of Blood Glucose" E18, Biotechnology. North Park Collegiate and Vocational School, GEDSB.

**HENDRA, FIFI.** "Orange Juice Vs Orange Soda" A11, Life Sciences Non-Human. King's Christian Collegiate, IND.

**HILL, KEALAN.** "The Entanglement Engine: Quantum Simulation Framework" L11, Eng & Comp Sci. North Park Collegiate and Vocational School, GEDSB.

**HOSSAIN, WAJED.** "A Novel Gene signature for Detection of Early-to-Persistent Osimertinib Tolerance in NSCLC Cells" L13, Health Sciences Human. Milton District High School, HDSB.

**IPWANSHEK, GABRIELLA.** "Investigating Matcha as an Amylase Inhibitor for Postprandial Hyperglycemia in Gestational Diabetes" D08, Health Sciences Human. White Oaks Secondary School, HDSB.

**ISHOLA, TOMI.** "Sleep Smarter: Investigating the Benefits of Eye Masks" D14, Health Sciences Human. Garth Webb Secondary School, HDSB.

**JING, KEVIN.** "Improving cost-effectiveness and efficiency in microplastic filtration methods using magnetic separation" K07, Earth & Env Sci. Appleby College, IND.

**JOHNSON, WILLIAM.** "Designing a Low Cost Telescope to Make Astronomy More Accessible to Everyone" G11, Eng & Comp Sci. Westdale Secondary School, HWDSB.

**KHANNA, MEHAR.** "Perseas: Scaling VMG Sailing Analytics to Decarbonize Cargo Shipping" M03, Eng & Comp Sci. Elsie Macgill Secondary School, HDSB.

**KIUNG, SABRINA.** "Emerging Innovative Cell-Based Wound Dressings For Scarless Wound Healing" E14, Biotechnology. Hillfield Strathallan College, IND.

**SR 11/12      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**KRUSE, MAXIMILIAN.** "Testing and improving the reliability of readily available water quality testing strips" K20, Earth & Env Sci. Westdale Secondary School, HWDSB.

**KUDALE, ARNAV.** "How accurately can an autonomous drone classify vegetation fuel types and generate flammability maps?" H10, Eng & Comp Sci. White Oaks Secondary School, HDSB.

**LABIB, JONATHAN.** "The Impact of Semaglutide Becoming a Generic Medication" E20, Biotechnology. King's Christian Collegiate, IND.

**LEBLANC, JACOB MICHAEL.** "A new & Innovative Multi Chamber Catch Basin for Stormwater Management and Water Quality Improvement" L04, Eng & Comp Sci. Abbey Park High School, HDSB.

**LI, XIAOLE.** "Tracking NaHCO<sub>3</sub> Concentration Effects on Initial Reaction Rate via Real-Time Mass-Loss Analysis" F20, Phys & Math Sci. Westdale Secondary School, HWDSB.

**LIU, TSZ CHAI ALAN.** "Autonomous Modular Self-Constructing Robotic Arm using Vision-Guided PPO Reinforcement Learning" M05, Eng & Comp Sci. Abbey Park High School, HDSB.

**LORTIE, AMELIA.** "How Sound Vibrations Affect the Growth of Plants" K19, Biotechnology. Garth Webb Secondary School, HDSB.

**LU, ETHAN.** "ATLAS: An Assistive Tactile LiDAR and Acoustic System for Visually Impaired Haptic Navigation" G20, Eng & Comp Sci. North Park Collegiate and Vocational School, GEDSB.

**LU, KANG-YUN (COLIN).** "Carbon Free Travel: Engineering a Hydrogen Storage/Delivery System Using Metal-Organic Frameworks" Q15, Eng & Comp Sci. Oakville Trafalgar High School, HDSB.

**LUO, BONNIE.** "MeDAC: Modular Electrochemical Direct Air Carbon Capture Using Distributed Optimal Energy Scheduling" Q16, Eng & Comp Sci. White Oaks Secondary School, HDSB.

**MABAYYED, MAYA.** "Indoor Mold Risk Monitoring and Alert System" M12, Eng & Comp Sci. Burlington Central High School, HDSB.

**MACIVER, ISLA.** "Under Pressure: How Climate Crisis Exposure Impairs Teen Cognition" C13, Health Sciences Human. Elsie Macgill Secondary School, HDSB.

**MAGUIRE, CONNOR.** "Tracking Deadly Diseases" E07, Biotechnology. North Park Collegiate and Vocational School, GEDSB.

**MAJEWSKI, NICOLE.** "Silencing the Signal: Modeling Novel Nanosponge Therapy to Disrupt Brain Cancer Metabolism" M16, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**MALHOTRA, ISHITA.** "Exploring the Viability of Egg White as a Low-Cost Biosensor Material" E16, Biotechnology. Burlington Central High School, HDSB.

**MANDAIR, MAYA.** "Sleep Smarter: Investigating the Benefits of Eye Masks" D14, Health Sciences Human. Garth Webb Secondary School, HDSB.

**MARSH, CLAIRE.** "Identification of Neurodevelopmental & Mental Health Conditions: An AI Approach to Reducing Barriers" H16, Eng & Comp Sci. M. M. Robinson High School, HDSB.

**MEHFIL, FIZA.** "FROST: Harnessing Machine Learning and Radiation-Chemistry for Habitability Assessment on Europa" M11, Eng & Comp Sci. Milton District High School, HDSB.

**MONOWAR, SAJID.** "Material Deposition for Synthetic and Natural Growth Patterns" J03, Eng & Comp Sci. Assumption College School, BHNCDSB.

**NABIL, TAMEEMAH.** "Designing a Solar-Powered Smart Microgrid System for Rural Hospitals" L06, Eng & Comp Sci. Craig Kielburger Secondary, HDSB.

**NGAN, TIN LOK DANIEL.** "Improving cost-effectiveness and efficiency in microplastic filtration methods using magnetic separation" K07, Earth & Env Sci. Appleby College, IND.

**SR 11/12      LAST NAME, FIRST NAME. "Project Title." Project Number, Division. School, Board.**

**OBEROI, KRISHANGI.** "In Silico Design of a PD-1/TCR Bispecific T-Cell Engager for Immunotherapy in T-Cell Malignancies" D09, Health Sciences Human. Abbey Park High School, HDSB.

**PAKALA, PRANEEL.** "ECO guard" G13, Eng & Comp Sci. Thomas A. Blakelock High School, HDSB.

**PANG, BOYU.** "Carbon Free Travel: Engineering a Hydrogen Storage/Delivery System Using Metal-Organic Frameworks" Q15, Eng & Comp Sci. Oakville Trafalgar High School, HDSB.

**PARK, JIEUN.** "Which AD Treatment Combination is Most Effective in Improving Patient Outcomes and Overall Efficacy" D15, Health Sciences Human. Bishop Tonnos Secondary School, HWCDSB.

**PATEL, VED.** "Silent Signals: Can our Heartbeat Reveal Risks Before Symptoms?" E08, Biotechnology. Westmount Secondary School, HWDSB.

**PATEL, VEER.** "Silent Signals: Can our Heartbeat Reveal Risks Before Symptoms?" E08, Biotechnology. Westmount Secondary School, HWDSB.

**PEREZ GUTIERREZ, NELSON.** "BrightWater" K22, Earth & Env Sci. King's Christian Collegiate, IND.

**SARAVANAN, RAKSHAN.** "R.A.P.I.D: Development of an innovative Radius Adjusting Pipe Inspection Device" G16, Eng & Comp Sci. Ancaster High, HWDSB.

**SHAH, KAHAN.** "Cube Health Monitor" P16, Eng & Comp Sci. White Oaks Secondary School, HDSB.

**SINGH, AARYAN.** "Optimizing a pH-Responsive Membrane for Synthetic Dye Removal from Simulated Textile Wastewater." K08, Earth & Env Sci. White Oaks Secondary School, HDSB.

**SONG, ANDREW.** "Blood, Sweat & Tears: Using Alternative Biofluids as Non-Invasive Indicators of Blood Glucose" E18, Biotechnology. North Park Collegiate and Vocational School, GEDSB.

**VERMA, JIA.** "Project SERTA: A Genetic Variant Model for Personalized SSRI Treatment in Mood and Anxiety Disorders" M13, Biotechnology. Oakville Trafalgar High School, HDSB.

**WANG, ANDY.** "Clinically Optimized Machine Learning System for Early and More Reliable Sepsis Detection" M14, Eng & Comp Sci. Oakville Trafalgar High School, HDSB.

**WANG, JASMINE.** "A Hierarchical Reason-Act Robot System with Transparent Decision-Making and Data-Driven Development" M19, Eng & Comp Sci. Iroquois Ridge High School, HDSB.

**WANG, JUDY.** "A Study on Preventing Aortic Dissections in Marfan Patients by Base Editing Smooth Muscle Cells" E06, Biotechnology. Iroquois Ridge High School, HDSB.

**WU, JERRY.** "How does base type (KOH vs. Ca(OH)<sub>2</sub>) affect the saponification value of coconut oil?" F03, Phys & Math Sci. Westdale Secondary School, HWDSB.

**XIA, PEIJIE.** "Tracking NaHCO<sub>3</sub> Concentration Effects on Initial Reaction Rate via Real-Time Mass-Loss Analysis" F20, Phys & Math Sci. Westdale Secondary School, HWDSB.

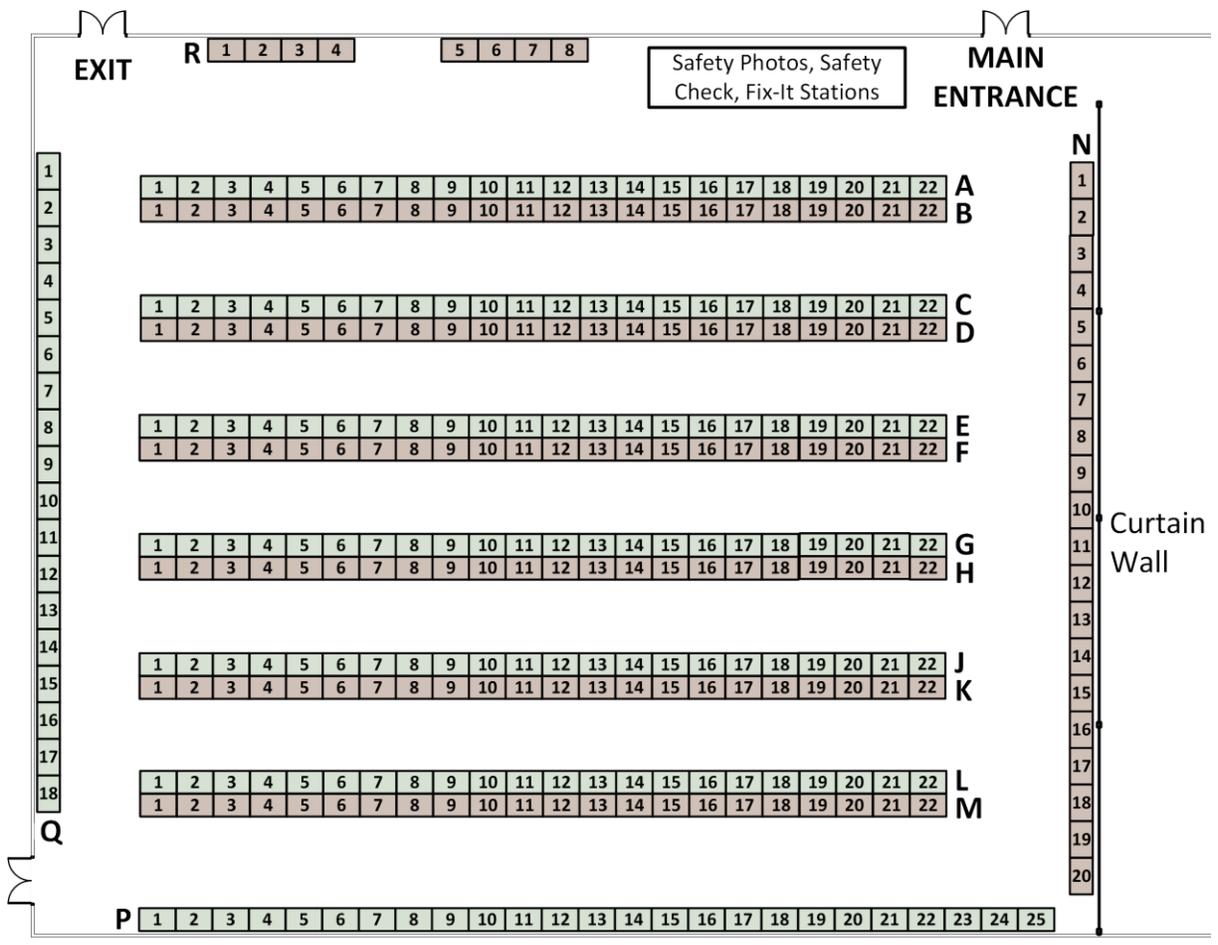
**YANG, ARIEL.** "Cognitive Dissonance in Young Canadians: Why Environmental Beliefs Don't Always Lead to Change" D05, Health Sciences Human. Iroquois Ridge High School, HDSB.

**ZHANG, ASHLEY.** "EndoMetrics: A Multivariable ML-Based Interface for Noninvasive Endometriosis Screening" L03, Health Sciences Human. Iroquois Ridge High School, HDSB.

**ZHANG, ISABELL.** "A Study on Preventing Aortic Dissections in Marfan Patients by Base Editing Smooth Muscle Cells" E06, Biotechnology. Iroquois Ridge High School, HDSB.

**ZHU, DANIEL.** "Autonomous Modular Self-Constructing Robotic Arm using Vision-Guided PPO Reinforcement Learning" M05, Eng & Comp Sci. Abbey Park High School, HDSB.

# Project Floor Layout



# BASEF 2026 Award Winners

## **Primary Fluid Systems Pinnacle Awards**

The Primary Fluid Systems 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.

### **Primary Fluid Systems Pinnacle Best in Fair**



### **Jordan LeBlanc**

**Q03** *Computational Sequence-Based Prediction of Creutzfeldt-Jakob Disease with NSPDI-SNN AI Framework*

Intermediate 9/10, Health Sciences Human

Abbey Park High School, Halton District School Board

### **Primary Fluid Systems Pinnacle Second Best in Fair**



### **Tristan Barkman**

**M18** *Collision-Statistical Modeling of Scale-Dependent Velocity Fluctuations*

Senior 11/12, Phys & Math Sci

Independent

### **Primary Fluid Systems Pinnacle Third Best in Fair**



### **Anish Rathod**

**D09** *In Silico Design of a PD-1/TCR Bispecific T-Cell Engager for Immunotherapy in T-Cell Malignancies*

Senior 11/12, Health Sciences Human

Abbey Park High School, Halton District School Board

## Regeneron International Science and Engineering Fair

As an affiliated fair, BASEF can select high school projects to represent our region at the Regeneron International Science and Engineering Fair (ISEF). This year, the Regeneron ISEF Fair will be held in Phoenix, Arizona from May 9<sup>th</sup>-15<sup>th</sup>. Congratulations to the BASEF Regeneron ISEF Team.

**LAST NAME, FIRST NAME.** "Project Title." Project Number, Division. School, Board.

**BARKMAN, TRISTAN.** "Collision-Statistical Modeling of Scale-Dependent Velocity Fluctuations" M18, Phys & Math Sci. Home Schooling, IND.

**LEBLANC, JORDAN.** "Computational Sequence-Based Prediction of Creutzfeldt-Jakob Disease with NSPDI-SNN AI Framework" Q03, Health Sciences Human. Abbey Park High School, HDSB.

**OBEROI, KRISHANGI.** "In Silico Design of a PD-1/TCR Bispecific T-Cell Engager for Immunotherapy in T-Cell Malignancies" D09, Health Sciences Human. Abbey Park High School, HDSB.

**POLYANSKA, MARIA.** "WindDrift: Engineered Real Time Adaptive Platform for Atmospheric and Marine Sensing" Q18, Eng & Comp Sci. Garth Webb Secondary School, HDSB.

**TAN, SIQI.** "Persistent-Homology Guided Pseudotime Framework Reveals Cyclic Transcriptional States in PDAC" C11, Health Sciences Human. Iroquois Ridge High School, HDSB.

## Canada-Wide Science and Engineering Fair

Thanks to generous support of its general sponsors, each year BASEF selects students to represent our region at the Canada-Wide Science and Engineering Fair (CWSF). This year, the CWSF will be held in Edmonton, Alberta from May 23<sup>rd</sup>-30<sup>th</sup>. Congratulations to the following students who represent BASEF at the CWSF.

**LAST NAME, FIRST NAME.** "Project Title." Project Number, Division. School, Board.

**ALLARAKHIA, IMRAN.** "CareBotix in Motion II: A Unified and Platform-Agnostic Humanoid Robotics System" Q10, Eng & Comp Sci. Abbey Park High School, HDSB.

**ALSAADI, SHAM.** "NephroSense: Developing a CKD Screening Model to Explore Machine-Learning Breath Biomarker Testing" P03, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**ALSAADI, ZENA.** "NephroSense: Developing a CKD Screening Model to Explore Machine-Learning Breath Biomarker Testing" P03, Eng & Comp Sci. Bishop P. F. Reding Secondary School, HCDSB.

**BUDZ, EVAN.** "In Situ Microplastic Detection using Holographic Imaging and AI on an Autonomous Bionic Sea Turtle" N18, Eng & Comp Sci. Dr. Frank J. Hayden Secondary School, HDSB.

**DUAN, EVA.** "ASCEND: A Novel Brain-Shuttle Antisense Therapy for Targeted RNA Repair in ALS" E03, Biotechnology. Oakville Trafalgar High School, HDSB.

**EUM, TAEYEON.** "ASCEND: A Novel Brain-Shuttle Antisense Therapy for Targeted RNA Repair in ALS" E03, Biotechnology. Oakville Trafalgar High School, HDSB.

**LAST NAME, FIRST NAME.** "Project Title." Project Number, Division. School, Board.

**IPWANSHEK, GABRIELLA.** "Investigating Matcha as an Amylase Inhibitor for Postprandial Hyperglycemia in Gestational Diabetes" D08, Health Sciences Human. White Oaks Secondary School, HDSB.

**KAR, VIVAAN.** "NeuroRegen: A Novel Dual-Action Intranasal Nanoparticle Treatment for Alzheimer's Disease" E12, Biotechnology. White Oaks Secondary School, HDSB.

**MARSH, CLAIRE.** "Identification of Neurodevelopmental & Mental Health Conditions: An AI Approach to Reducing Barriers" H16, Eng & Comp Sci. M. M. Robinson High School, HDSB.

**QAZI, DANIYAL.** "PeriNet: Automated Multi-Task Deep Learning for Periapical Radiograph Analysis and Lesion Detection" L01, Health Sciences Human. Iroquois Ridge High School, HDSB.

**QAZI, ZAYN.** "PeriNet: Automated Multi-Task Deep Learning for Periapical Radiograph Analysis and Lesion Detection" L01, Health Sciences Human. Iroquois Ridge High School, HDSB.

**RAO, RAHUL.** "NeuroRegen: A Novel Dual-Action Intranasal Nanoparticle Treatment for Alzheimer's Disease" E12, Biotechnology. White Oaks Secondary School, HDSB.

**SHAHID, MOEEN.** "Machine Learning Prediction of SSRI Response Using fMRI Connectivity" M20, Health Sciences Human. Oakville Trafalgar High School, HDSB.

**WANG, ANDY.** "Clinically Optimized Machine Learning System for Early and More Reliable Sepsis Detection" M14, Eng & Comp Sci. Oakville Trafalgar High School, HDSB.

**WANG, JASMINE.** "A Hierarchical Reason-Act Robot System with Transparent Decision-Making and Data-Driven Development" M19, Eng & Comp Sci. Iroquois Ridge High School, HDSB.

**WANG, JUDY.** "A Study on Preventing Aortic Dissections in Marfan Patients by Base Editing Smooth Muscle Cells" E06, Biotechnology. Iroquois Ridge High School, HDSB.

**ZHANG, ISABELL.** "A Study on Preventing Aortic Dissections in Marfan Patients by Base Editing Smooth Muscle Cells" E06, Biotechnology. Iroquois Ridge High School, HDSB.

## School Awards

### BASEF Committee Trophy

This trophy is awarded to the elementary school accumulating the most points.

▷ *W. H. Morden Public School (HDSB)*



### Herb Gildea Memorial Trophy

This trophy is awarded to the secondary school accumulating the most points.

▷ *Abbey Park High School (HDSB)*



## ***Index of All Exhibitor Award Winners***

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Abbott, Keira.** E02, C.H. Norton Public School, HDSB.  
Bronze Merit Award

**Akanni, Sindara.** C06, Oakville Christian School, IND.  
Bronze Merit Award

**Akude, Eshaan.** E17, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Al Bender, Tala.** B15, Charles R. Beaudoin Public School, HDSB.  
Farncombe Family Digestive Health Research Award

**Al Tabarani, Rayan.** E17, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Alam, Daniel.** G14, Immaculate Conception, HWCDSB.  
Bronze Merit Award  
New Health Scientist Award  
Procor Engineering Award - Junior

**Alam, Shah.** L18, John William Boich Public School, HDSB.  
Bronze Merit Award

**Ali, Ayesha.** A05, Al-Falah Islamic School, IND.  
Bronze Merit Award

**Alkaisi, Adam.** F02, Oxford Learning Academy, IND.  
Canadian Institute of Mining Metallurgy and Petroleum (Hamilton Branch) Award  
STLE Tribology/Friction Reduction Award

**Al-Khafaji, Mariam.** A18, White Oaks Secondary School, HDSB.  
Bronze Merit Award

**Allarakhia, Imran.** Q10, Abbey Park High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award  
Hillfield Strathallan College Awards of Excellence - Scientific Process Award

**Alpa, Sydney.** A20, John William Boich Public School, HDSB.  
Bronze Merit Award

**Alsaadi, Sham.** P03, Bishop P. F. Reding Secondary School, HCDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Alsaadi, Zena.** P03, Bishop P. F. Reding Secondary School, HCDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Amer, Maryam.** E15, Joshua Creek Public School, HDSB.  
Michael G. DeGrootte Institute for Infectious Disease Research Award - Silver

**Amin, Sahar.** N08, Al-Falah Islamic School, IND.  
Bronze Merit Award  
Dr. Laura Blew Social Sciences Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Ammad, Aliza.** N08, Al-Falah Islamic School, IND.  
Bronze Merit Award  
Dr. Laura Blew Social Sciences Award

**Badarala, Lohitaksh.** P06, Bishop P. F. Reding Secondary School, HCDSB.  
Icor Group Innovation Award - First  
Silver Merit Award

**Bajaj, Syra.** E15, Joshua Creek Public School, HDSB.  
Michael G. DeGrootte Institute for Infectious Disease Research Award - Silver

**Bajwa, Khadija.** N03, Al-Falah Islamic School, IND.  
Hamilton Wentworth Occasional Teachers - Environment & Education Award

**Barkman, Kaitlyn.** A04, Home Schooling, IND.  
James A. Winger Award - Junior

**Barkman, Tristan.** M18, Home Schooling, IND.  
Gold Merit Award  
ISEF Trip Award  
Primary Fluid Systems Pinnacle Third Best in Fair

**Bhushan, Shaurya.** M03, Elsie Macgill Secondary School, HDSB.  
McMaster University Faculty of Engineering Entrance Award

**Bida, Yorit.** G08, W. H. Morden Public School, HDSB.  
Silver Merit Award

**Bilal, Zainab.** P12, Al-Falah Islamic School, IND.  
Silver Merit Award

**Bolarinwa, Isaac.** L10, Rattlesnake Point Public School, HDSB.  
Bronze Merit Award

**Budz, Evan.** N18, Dr. Frank J. Hayden Secondary School, HDSB.  
Canada-Wide Science Fair Trip Award  
Canadian Meteorological and Oceanographic Society (CMOS) Award - First  
Gold Merit Award  
IEEE (Institute of Electrical & Electronic Engineers) Hamilton Section Award  
Procor Engineering Award - Intermediate

**Cai, Jeffery.** N19, Abbey Park High School, HDSB.  
Silver Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Intermediate Award

**Cai, Yiyun.** D19, Appleby College, IND.  
Silver Merit Award

**Caldwell, Brooklyn.** A07, Garth Webb Secondary School, HDSB.  
Bronze Merit Award

**Chang, Sunnia.** K06, W. H. Morden Public School, HDSB.  
Hillfield Strathallan College Awards of Excellence - Life Sciences Award

**Cheers, Luke.** J21, St. Bernadette, HWCDSD.  
Bronze Merit Award  
Rotary Club of Hamilton Stoney Creek Award - Second

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Chowdhury, Nahian.** P23, Westdale Secondary School, HWDSB.  
Silver Merit Award

**Chowdhury, Vivan.** N10, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Cushing, Isabella.** F15, Westdale Secondary School, HWDSB.  
Association for Iron & Steel Technology Northern Chapter Award - Second  
Bronze Merit Award  
Dr. Colin J.L. Lock Memorial Chemistry Award

**Dawe, Ethan.** G14, Immaculate Conception, HWCDSB.  
Bronze Merit Award  
New Health Scientist Award  
Procor Engineering Award - Junior

**Dawe, Marcus.** F01, St. Timothy Elementary School, HCDSB.  
Association for Iron & Steel Technology Northern Chapter Award - Third  
Chemical Institute of Canada (Hamilton Section) Award  
STLE Tribology/Friction Reduction Award

**de Bueger, Emily.** N14, Westdale Secondary School, HWDSB.  
Bronze Merit Award

**Desai, Kush.** P14, Dr. David R Williams, HDSB.  
Bronze Merit Award

**Dixit, Reyansh.** P13, W. H. Morden Public School, HDSB.  
Roy Middleton Memorial Award  
Silver Merit Award

**Duan, Eva.** E03, Oakville Trafalgar High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Dupont, Maximus.** H03, St. Mary Elementary School, HCDSB.  
Nikola Tesla Innovation Award - Bronze

**Durcek, Maximilian.** J03, Assumption College School, BHNCD.  
Bronze Merit Award  
McMaster University Faculty of Engineering Entrance Award

**Dwarka, Elysia.** A20, John William Boich Public School, HDSB.  
Bronze Merit Award

**Eum, Taeyeon.** E03, Oakville Trafalgar High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Fan, Jason.** G01, Iroquois Ridge High School, HDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Fatima, Khadija.** B03, Palermo Public School, HDSB.  
Farncombe Family Digestive Health Research Institute Grand Award  
Silver Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Fletcher, Leah-Rose.** G12, Cathy Wever, HWDSB.  
Electrical Contractors Association of Niagara Hamilton Award  
Nikola Tesla Innovation Award - Gold

**Gao, Chloe.** B06, Oakville Christian School, IND.  
Bronze Merit Award

**Gopinaath, Vedika.** M07, White Oaks Secondary School, HDSB.  
Silver Merit Award  
The Imagination to Enterprise Award - First

**Grotra, Ishaan.** L05, Appleby College, IND.  
American Psychological Association Award  
Silver Merit Award

**Guirguis, Lily.** J20, St. Mary Elementary School, HCDSB.  
Hamilton Wentworth Occasional Teacher - Presentation & Aesthetics Award

**Gupta, Osa.** L03, Iroquois Ridge High School, HDSB.  
Ola Lunyk-Child Memorial Health Science Award - Third  
Silver Merit Award

**Haider, Hussain.** A17, Hillfield Strathallan College, IND.  
Farncombe Family Digestive Health Research Award

**Hanna, Celina.** K11, Oakville Christian School, IND.  
Bronze Merit Award  
Nelson Steel Award  
The Imagination to Enterprise Award - Second

**Harihara, Vikrant.** B05, Burlington Central High School, HDSB.  
Bronze Merit Award

**Harington, David.** F14, Highview, HWDSB.  
Electrical Contractors Association of Niagara Hamilton Award

**Hasan, Arham.** E18, North Park Collegiate and Vocational School, GEDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Hendra, Fifi.** A11, King's Christian Collegiate, IND.  
Bronze Merit Award

**Hernandez Loreto, Emma.** D07, St. Andrew Elementary School, HCDSB.  
Dr. Laura Blew Social Sciences Award

**Hoare, Nolan.** F10, Bishop Tonnos Secondary School, HWCDSD.  
Bronze Merit Award

**Hossain, Wajed.** L13, Milton District High School, HDSB.  
Silver Merit Award

**Ipwanshek, Gabriella.** D08, White Oaks Secondary School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award  
McMaster University Department of Chemistry and Chemical Biology Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Ishola, Tomi.** D14, Garth Webb Secondary School, HDSB.  
Bronze Merit Award

**Jauhari, Viaan.** P20, Charles R. Beaudoin Public School, HDSB.  
Earth and Environmental Sciences Award

**Jayaratna, Dulaine.** H20, Pilgrim Wood Public School, HDSB.  
Bronze Merit Award  
Venture Academy Scholarship

**Ji, Sophia.** Q09, Dr. David R Williams, HDSB.  
Bronze Merit Award  
Mahut-Brent Award for Young People in Science and Engineering

**Jing, Kevin.** K07, Appleby College, IND.  
Bronze Merit Award  
Water Environment Association of Ontario Award

**Johnson, William.** G11, Westdale Secondary School, HWDSB.  
Bronze Merit Award  
James A. Winger Award - Senior

**Kahraman, Eren.** G03, Frank Panabaker South, HWDSB.  
James A. Winger Award - Junior

**Kar, Vivaan.** E12, White Oaks Secondary School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Karthik, Akshita.** J17, Garth Webb Secondary School, HDSB.  
Geography Award

**Khan, Asher.** K17, Rattlesnake Point Public School, HDSB.  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Junior

**Khan, Nabiha.** B10, Rattlesnake Point Public School, HDSB.  
Bronze Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Junior Award

**Khan, Rameen.** L07, Elsie Macgill Secondary School, HDSB.  
Ola Lunyk-Child Memorial Health Science Award - First

**Khan, Shees.** L10, Rattlesnake Point Public School, HDSB.  
Bronze Merit Award

**Khanna, Mehar.** M03, Elsie Macgill Secondary School, HDSB.  
McMaster University Faculty of Engineering Entrance Award

**Khera, Aahana.** M09, Milton District High School, HDSB.  
Bronze Merit Award  
Michael G. DeGrootte Institute for Infectious Disease Research Award - Gold  
Ola Lunyk-Child Memorial Health Science Award - Second

**Kiung, Sabrina.** E14, Hillfield Strathallan College, IND.  
BASEF Inspiration Student Award  
Silver Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Koshy, Phoenix.** H14, St. Mary Elementary School, HCDSB.  
Bronze Merit Award

**Krishna, Amitav.** H13, Holy Trinity Catholic High School, BHNCD.  
Venture Academy Scholarship

**Kronwald, Ashwin.** H08, North Park Collegiate and Vocational School, GEDSB.  
Bronze Merit Award

**Kruse, Maximilian.** K20, Westdale Secondary School, HWDSB.  
Bronze Merit Award

**Kudale, Arnav.** H10, White Oaks Secondary School, HDSB.  
Dillon Consulting Science and Engineering Award  
Silver Merit Award

**Kudale, Iraa.** J16, Harvest Oak Public School, HDSB.  
Conservation Halton Environmental Sciences Award  
Silver Merit Award

**Kulkarni, Shirin.** H09, Charles R. Beaudoin Public School, HDSB.  
Bronze Merit Award

**LeBlanc, Jacob Michael.** L04, Abbey Park High School, HDSB.  
Conservation Halton Environmental Sciences Award  
Silver Merit Award

**LeBlanc, Jordan.** Q03, Abbey Park High School, HDSB.  
Drs. Ranjan Sur and Monalisa Sur Award  
Gold Merit Award  
Hamilton Association da Vinci Award  
Icor Group Innovation Award - Second  
ISEF Trip Award  
Primary Fluid Systems Pinnacle Best in Fair  
Society for In Vitro Biology Award

**Lee, Jayden.** L12, Abbey Park High School, HDSB.  
Royal Botanical Gardens Award  
Silver Merit Award

**Lei, Leticia (Chengzi).** K05, Joshua Creek Public School, HDSB.  
Bronze Merit Award

**Li, Xiaole.** F20, Westdale Secondary School, HWDSB.  
Chemical Institute of Canada (Hamilton Section) Award  
Silver Merit Award

**Lin, Abigail.** A14, Holy Trinity Secondary School, HCDSB.  
Artistically Inspired Display Award

**Liu, Dolphin.** E09, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Liu, Lydia.** C14, Oakville Trafalgar High School, HDSB.  
Bronze Merit Award

**Liu, Michelle.** P09, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Liu, Tsz Chai Alan.** M05, Abbey Park High School, HDSB.  
Silver Merit Award

**Lu, Ethan.** G20, North Park Collegiate and Vocational School, GEDSB.  
Bronze Merit Award

**Lu, Kang-Yun (Colin).** Q15, Oakville Trafalgar High School, HDSB.  
Silver Merit Award

**Luo, Betty.** Q08, Munn's Public School, HDSB.  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Junior  
Silver Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Junior Award

**Luo, Bonnie.** Q16, White Oaks Secondary School, HDSB.  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Senior

**Ma, Jacob.** J14, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Madhotra, Medhansh.** L18, John William Boich Public School, HDSB.  
Bronze Merit Award

**Maguire, Connor.** E07, North Park Collegiate and Vocational School, GEDSB.  
Bronze Merit Award

**Maharaj, Niam.** L08, Garth Webb Secondary School, HDSB.  
Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Intermediate or Senior  
Ricoh USA Inc. Award  
Silver Merit Award

**Majewski, Nicole.** M16, Oakville Trafalgar High School, HDSB.  
Silver Merit Award

**Makada, Aliya.** N06, Hillfield Strathallan College, IND.  
BASEF Inspiration Student Award  
John W. Howard Materials Research Award  
Silver Merit Award

**Malhotra, Ishita.** E16, Burlington Central High School, HDSB.  
Bronze Merit Award

**Mandair, Maya.** D14, Garth Webb Secondary School, HDSB.  
Bronze Merit Award

**Mao, Charlie.** P13, W. H. Morden Public School, HDSB.  
Roy Middleton Memorial Award  
Silver Merit Award

**Marsh, Claire.** H16, M. M. Robinson High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Dr. Nicola Simmons Award in Cognition Studies  
Gold Merit Award

**Matheson, Evelyn.** H22, St. Joseph, HWCDSB.  
Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior  
Nelson Steel Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Matthews Rolfe, Maddie.** B13, W. H. Morden Public School, HDSB.  
Chair's Award

**Mawji, Ayaan.** A19, Corpus Christi Secondary School, HCDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Mehfil, Fiza.** M11, Milton District High School, HDSB.  
Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Intermediate or Senior  
James A. Winger Award - Senior  
Silver Merit Award

**Meldrum, Marshall.** F14, Highview, HWDSB.  
Electrical Contractors Association of Niagara Hamilton Award

**Mikaela, Joanna.** J22, Holy Name of Jesus, HWCDSB.  
Bronze Merit Award

**Mohanty, Aryan.** K09, Abbey Park High School, HDSB.  
Laurentian Chapter of SETAC Award  
Silver Merit Award

**Monowar, Sajid.** J03, Assumption College School, BHNCD.  
Bronze Merit Award  
McMaster University Faculty of Engineering Entrance Award

**Munjal, Reet.** B03, Palermo Public School, HDSB.  
Farncombe Family Digestive Health Research Institute Grand Award  
Silver Merit Award

**Nabil, Tameemah.** L06, Craig Kielburger Secondary, HDSB.  
Nikola Tesla Innovation Award - Silver  
Silver Merit Award  
University of Ottawa Admission Scholarship Award

**Nagy, Kaelan.** G04, Charles R. Beaudoin Public School, HDSB.  
Canadian Institute of Mining Metallurgy and Petroleum (Hamilton Branch) Award

**Nair, Abhiraam.** K12, St. Augustine, HWCDSB.  
Bronze Merit Award

**Nastase, Ana.** B14, W. H. Morden Public School, HDSB.  
Silver Merit Award

**Ngan, Tin Lok Daniel.** K07, Appleby College, IND.  
Bronze Merit Award  
Water Environment Association of Ontario Award

**Oberoi, Krishangi.** D09, Abbey Park High School, HDSB.  
Gold Merit Award  
ISEF Trip Award  
Primary Fluid Systems Pinnacle Second Best in Fair

**Okeke, Nadira.** J22, Holy Name of Jesus, HWCDSB.  
Bronze Merit Award

**Oloruntoba, Damisi.** C07, Oakville Christian School, IND.  
Silver Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Pakala, Praneel.** G13, Thomas A. Blakelock High School, HDSB.  
Bronze Merit Award

**Pang, Boyu.** Q15, Oakville Trafalgar High School, HDSB.  
Silver Merit Award

**Parekh, Shlok.** N07, Dr. David R Williams, HDSB.  
Bronze Merit Award  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Junior

**Park, Jieun.** D15, Bishop Tonnos Secondary School, HWCDSB.  
Silver Merit Award

**Park, Lanna.** M01, Iroquois Ridge High School, HDSB.  
Silver Merit Award

**Polyanska, Maria.** Q18, Garth Webb Secondary School, HDSB.  
Canadian Meteorological and Oceanographic Society (CMOS) Award - Second  
Dillon Consulting Biological Sciences Award  
Gold Merit Award  
IEEE (Institute of Electrical & Electronic Engineers) Hamilton Section Award  
ISEF Trip Award  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Intermediate

**Qazi, Daniyal.** L01, Iroquois Ridge High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Qazi, Zayn.** L01, Iroquois Ridge High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Rahija, Anthony.** H21, Our Lady of the Assumption, HWCDSB.  
Bronze Merit Award

**Rajendran, Pooja Sree.** L17, John William Boich Public School, HDSB.  
Bronze Merit Award

**Rangnekar, Mihika.** N13, Joshua Creek Public School, HDSB.  
Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior

**Ranjith, Yaasmina.** J20, St. Mary Elementary School, HCDSB.  
Hamilton Wentworth Occasional Teacher - Presentation & Aesthetics Award

**Rao, Rahul.** E12, White Oaks Secondary School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Ren, Renee.** E04, Appleby College, IND.  
Firestone Institute Respiratory Health Award  
Silver Merit Award

**Richardson, Elsie.** B13, W. H. Morden Public School, HDSB.  
Chair's Award

**Rout, Nikit.** N10, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Salvatore, Joe.** F13, St. Clare of Assisi, HWCDSB.  
Harrison Family Chemistry Award  
Rotary Club of Hamilton Stoney Creek Award - Third  
Silver Merit Award

**Sangha, Savannah.** D20, Foundations Montessori School, IND.  
Bronze Merit Award

**Saraphanian, Ava.** H21, Our Lady of the Assumption, HWCDSB.  
Bronze Merit Award

**Saravanan, Rakshan.** G16, Ancaster High, HWDSB.  
Association for Iron & Steel Technology Northern Chapter Award - First  
Mechanical Contractors Association Hamilton Niagara Award  
Procor Engineering Award - Senior  
Silver Merit Award

**Sathish, Jyosith.** L15, John William Boich Public School, HDSB.  
Bronze Merit Award

**Satish, Advik.** L15, John William Boich Public School, HDSB.  
Bronze Merit Award

**Schroth, Lukas.** N05, Oakville Christian School, IND.  
Bronze Merit Award

**Sehgal, Shaurya.** N19, Abbey Park High School, HDSB.  
Silver Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Intermediate Award

**Seoh, Tommy.** G01, Iroquois Ridge High School, HDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Shah, Kahan.** P16, White Oaks Secondary School, HDSB.  
Bronze Merit Award

**Shah, Zaid.** K17, Rattlesnake Point Public School, HDSB.  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Junior

**Shahid, Azka.** B01, Lake Avenue, HWDSB.  
Bronze Merit Award  
Rotary Club of Hamilton Stoney Creek Award - First

**Shahid, Moeen.** M20, Oakville Trafalgar High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Intermediate Award

**Shaikh, Rayyan.** K13, Al-Falah Islamic School, IND.  
Bronze Merit Award

**Sharma, Neha.** B01, Lake Avenue, HWDSB.  
Bronze Merit Award  
Rotary Club of Hamilton Stoney Creek Award - First

**Sharma, Tanisha.** N02, W. H. Morden Public School, HDSB.  
Silver Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Sharpe, Andrew.** A15, St. Andrew Elementary School, HCDSB.  
Michael G. DeGrootte Institute for Infectious Disease Research Award - Bronze

**Shinn-Concepcion, Keegan.** N07, Dr. David R Williams, HDSB.  
Bronze Merit Award  
Professional Engineers of Ontario - Oakville Chapter Engineering Award - Junior

**Shuai, Candice.** J14, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Siddicky, Sarim.** M15, Oakville Trafalgar High School, HDSB.  
Bronze Merit Award

**Sidhu, Sophia.** N13, Joshua Creek Public School, HDSB.  
Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior

**Singh, Aaryan.** K08, White Oaks Secondary School, HDSB.  
Environmental Inspiration Award  
McMaster Department of Chemical Engineering Award  
Silver Merit Award

**Singh, Avani.** A18, White Oaks Secondary School, HDSB.  
Bronze Merit Award

**Smith, Ava.** D07, St. Andrew Elementary School, HCDSB.  
Dr. Laura Blew Social Sciences Award

**Song, Andrew.** E18, North Park Collegiate and Vocational School, GEDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Srivastava, Gauri.** M01, Iroquois Ridge High School, HDSB.  
Silver Merit Award

**Starr, Hudson.** Q11, Oakville Christian School, IND.  
Silver Merit Award

**Sun, Emily.** Q04, Ancaster Meadow, HWDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Sun, Micah.** B19, Craig Kielburger Secondary, HDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Tan, Siqi.** C11, Iroquois Ridge High School, HDSB.  
Dr. M. Doyle Biology Award  
Gold Merit Award  
ISEF Trip Award

**Terlecki, Maya.** H17, St. Mary Elementary School, HCDSB.  
Hamilton Wentworth Occasional Teacher - Healthy Lifestyles Award

**Thomas, Matthew.** G10, St. Augustine, HWCDSB.  
BASEF Inspiration Student Award  
Hillfield Strathallan College Entrance Scholarship Award  
Silver Merit Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Thompson, Abbygayle.** G12, Cathy Wever, HWDSB.  
Electrical Contractors Association of Niagara Hamilton Award  
Nikola Tesla Innovation Award - Gold

**Toaldo, Sofia.** K01, Our Lady of the Assumption, HWCDSB.  
Bronze Merit Award

**Tummon, Zoe.** E02, C.H. Norton Public School, HDSB.  
Bronze Merit Award

**Vardhan, Nimish.** A19, Corpus Christi Secondary School, HCDSB.  
BASEF Inspiration Student Award  
Silver Merit Award

**Verma, Jia.** M13, Oakville Trafalgar High School, HDSB.  
Silver Merit Award

**Wang, Andy.** M14, Oakville Trafalgar High School, HDSB.  
Silver Merit Award

**Wang, Andy.** M20, Oakville Trafalgar High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award  
The Research Institute of St. Joe's Hamilton Health Research Intermediate Award

**Wang, Hannah.** E09, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Wang, Jasmine.** M19, Iroquois Ridge High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award  
Hillfield Strathallan College Awards of Excellence - Innovation Award

**Wang, Judy.** E06, Iroquois Ridge High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Wang, Michelle.** E10, Hillfield Strathallan College, IND.  
Bronze Merit Award

**Waseem, Zoha.** Q17, White Oaks Secondary School, HDSB.  
Silver Merit Award

**Waseem, Zoya.** Q17, White Oaks Secondary School, HDSB.  
Silver Merit Award

**Werbin, Kenneth.** M09, Milton District High School, HDSB.  
Bronze Merit Award  
Michael G. DeGroot Institute for Infectious Disease Research Award - Gold  
Ola Lunnyk-Child Memorial Health Science Award - Second

**Wilson, Julia.** B12, Oakville Christian School, IND.  
Bronze Merit Award

**Wonders, Alexandra.** B08, Garth Webb Secondary School, HDSB.  
Artistically Inspired Display Award

**Last Name, First Name.** Project Number. School, Board.  
Award(s)

**Wong, Charlotte.** C14, Oakville Trafalgar High School, HDSB.  
Bronze Merit Award

**Wu, Elena.** K06, W. H. Morden Public School, HDSB.  
Hillfield Strathallan College Awards of Excellence - Life Sciences Award

**Wu, Jerry.** F03, Westdale Secondary School, HWDSB.  
Bronze Merit Award  
Chemical Institute of Canada (Hamilton Section) Award

**Wu, Michelle.** P09, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Xia, Peijie.** F20, Westdale Secondary School, HWDSB.  
Chemical Institute of Canada (Hamilton Section) Award  
Silver Merit Award

**Yan, For Wa.** J08, Appleby College, IND.  
Silver Merit Award  
Yale Science & Engineering Association Award

**Yong, Heyzac.** P14, Dr. David R Williams, HDSB.  
Bronze Merit Award

**Yun, Celina.** K16, St. Andrew Elementary School, HCDSB.  
Bronze Merit Award  
Laurentian Chapter of SETAC Award

**Zadlo, Maya.** K01, Our Lady of the Assumption, HWCDSB.  
Bronze Merit Award

**Zhang, Ashley.** L03, Iroquois Ridge High School, HDSB.  
Ola Lunyk-Child Memorial Health Science Award - Third  
Silver Merit Award

**Zhang, Isabell.** E06, Iroquois Ridge High School, HDSB.  
Canada-Wide Science Fair Trip Award  
Gold Merit Award

**Zhu, Alice.** F04, W. H. Morden Public School, HDSB.  
Bronze Merit Award

**Zhu, Daniel.** M05, Abbey Park High School, HDSB.  
Silver Merit Award

**Zhu, Mia.** F04, W. H. Morden Public School, HDSB.  
Bronze Merit Award

## ***BASEF Inspiration Teacher Award***

A BASEF Inspiration Teacher Awards is presented to a teacher at a school which is new to BASEF (no BASEF projects for at least 5 years). The teacher must have two or more projects displayed and judged at the Fair. The award is to be used in the classroom at the winning teacher's discretion.

**Taryn Katz** Janet Lee Elementary School (HWDSB)

## ***BASEF Champion Teacher Award***

The Champion Teacher Award recognizes a STEM teacher who displays a remarkable ability to empower and excite student interest in science and actively promotes the Bay Area Science & Engineering Fair. The winner is selected by a panel of BASEF organizing committee members from among those nominated online by their peers, students, and their parents. The Award includes induction into the BASEF Champion Teacher Hall of Fame, a trophy, and \$500 for use in the winning teacher’s classroom.

For the 2026 Fair, we would like to recognize a teacher whose enthusiasm for science inspires her students to explore, question, and achieve their best and often inspires students who might not otherwise see themselves as scientists.



**Adeela Virk**  
Al Falah Islamic School

The nominator writes: *“students consistently describe Ms. Virk as kind, supportive, and always available to help—often going above and beyond her regular duties to ensure they feel confident and prepared. Her dedication fosters curiosity, builds confidence, and empowers students to take pride in their work. Ms. Virk’s dedication and passion for science and for her students make her truly deserving of the BASEF Champion Teacher Recognition Award.”*

## ***Connect with Us!***

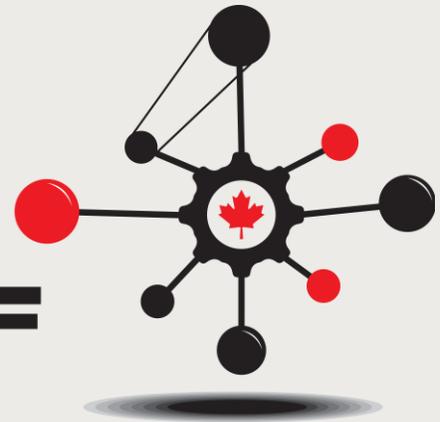
	<b>Website:</b> <a href="http://www.basef.ca">www.basef.ca</a>
	<b>Facebook:</b> <a href="http://www.facebook.com/TeamBASEF/">www.facebook.com/TeamBASEF/</a>
	<b>Twitter:</b> <a href="http://www.twitter.com/BASEF">@basef</a>
	<b>Instagram:</b> <a href="http://www.instagram.com/BASEF">@basef</a>
	<b>YouTube:</b> <a href="http://www.youtube.com/user/TeamBASEF">www.youtube.com/user/TeamBASEF</a>
	<b>LinkedIn:</b> <a href="http://www.linkedin.com/company/bay-area-science-and-engineering-fair/">www.linkedin.com/company/bay-area-science-and-engineering-fair/</a>
	<b>Pinterest:</b> <a href="http://www.pinterest.ca/basef">www.pinterest.ca/basef</a>
	<b>Flickr:</b> <a href="http://www.flickr.com/photos/team-basef">www.flickr.com/photos/team-basef</a>
	<b>Blog:</b> <a href="http://www.basef.ca/blog/">www.basef.ca/blog/</a>

# Emergency Procedures

Hillfield Strathallan College	
<i>In Case of Emergency:</i>	<ul style="list-style-type: none"> <li>&gt; Dial 911</li> <li>&gt; Dial (905) 961-4977 for the Security Desk</li> <li>&gt; Inform the nearest BASEF volunteer</li> </ul>
<i>Location:</i>	299 Fennell Ave West, Hamilton, ON, L9C 1G3
<i>Responder Directions:</i>	Enter campus off Fennell Ave and follow signs to main entrance. A representative from BASEF will be waiting to direct EMS to the exact location.
<i>Other Key HSC Phone Numbers:</i>	College Main Line: (905) 389-1367

Emergency Evacuation:	Emergency Lockdown:
<p><u>If you Smell Smoke:</u></p> <ul style="list-style-type: none"> <li>• Call Campus Security immediately.</li> </ul> <p><u>Upon Discovery of Fire (Flames):</u></p> <ul style="list-style-type: none"> <li>• Leave fire area immediately and close doors behind you.</li> <li>• Pull the nearest fire alarm.</li> <li>• Evacuate the building via the nearest exit.</li> <li>• Call Security or the appropriate emergency number.</li> </ul> <p><u>Upon Activation of the Fire Alarm:</u></p> <ul style="list-style-type: none"> <li>• Go to the nearest exit and leave the building.</li> <li>• Close doors behind you.</li> </ul> <p><u>Note:</u></p> <ul style="list-style-type: none"> <li>• Do not use elevators or chair lifts.</li> <li>• Use an alternative exit if you encounter smoke.</li> <li>• If a person with a disability cannot be evacuated, assist them to a fire rated room such as an office or classroom that is away from smoke or fire, as close as possible to an exit. Preference should be given to rooms with two exits and a telephone or intercom.</li> <li>• Notify Security and/or the Fire Department of their specific location.</li> <li>• Do not re-enter the building until authorized by the Fire Department, Security, Staff, or Fire Wardens.</li> </ul>	<p><u>Threat Inside the Building:</u></p> <p>Upon hearing the voice message advising lockdown:</p> <ul style="list-style-type: none"> <li>• Exit all common and open areas (including Library and cafeteria): <ul style="list-style-type: none"> <li>○ Disperse... do not congregate in open areas.</li> <li>○ Exit the building or go to a room or area where you feel safe to enter.</li> </ul> </li> <li>• If exit is not possible: <ul style="list-style-type: none"> <li>○ Enter/stay in a room/area where you feel safe.</li> <li>○ Close and secure doors if possible</li> <li>○ Turn out lights.</li> <li>○ Cover windows and/or stay away from windows.</li> <li>○ Silence cell phones/use text messaging only.</li> <li>○ Stay alert, quiet and out of sight.</li> <li>○ Disregard fire alarm signal unless in immediate danger.</li> <li>○ Do not exit until "All Clear" signal is heard.</li> </ul> </li> </ul> <p><u>End of Lockdown:</u></p> <ul style="list-style-type: none"> <li>• A recorded announcement of an "all clear" signal will be given to indicate the end of lockdown. Emergency Officials or College Security will conduct a door-to-door confirmation of this announcement.</li> </ul> <p><u>Threat Outside the Building:</u></p> <p>Hold and secure:</p> <ul style="list-style-type: none"> <li>• The threat is outside and everyone remains inside the building.</li> <li>• Notification will be communicated by a voice message.</li> </ul>

**BASEF**



***BASEF 2026 wishes the  
best of luck to all  
participants. We hope to  
see you next year for  
BASEF 2027!***