BASEF
Big Ideas.
Infinite Possibilities.

BASEF 2026

Sponsored By: Primary Fluid Systems Inc.

66th Annual Bay Area Science & Engineering Fair

OFFICIAL PROGRAM

Diamond Sponsors
ArcelorMittal Dofasco
Hillfield Strathallan College

Rev6 | Mar. 21st/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.

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 21st 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

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

Finance

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

BASEF Meetings

Recording Secretary ..... *John Colenbrander*
Meeting Meals ..... *Chris Kuttenkeuler & Selma Woods*

2026 Fair

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

BASEF Brand Committee

Brand Director ..... *Ryan LaRue*
Photography & Graphics ..... *Wayne Bowdish*
Social Media & Marketing ..... *Maya Clapperton, George Geczy, Student Advisors*
Website ..... *Wayne Bowdish, George Geczy*
Program Editorial ..... *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*

HWCDSB ..... *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*
HWCDSB	*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.

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 11th: Registration, Project Setup, & Safety Check

4:00–8:00 pm	On-site registration, setup, and project safety checks are performed.	**HSC**

Thursday, March 12th: Activity Morning & Project Judging Day

9:00–9:20 am	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.	**HSC**
9:30 am–12:00 pm	Activity Morning will feature an exciting line-up of events prepared especially for our BASEF participants. See below!	
12:00–1:00 pm	Students eat lunch at their projects.	
1:00–4:00 pm	Judging interviews for BASEF students. BASEF participants must remain at their projects during judging.	
4:00 pm	Students are dismissed and must arrange their own transportation home.	

Saturday, March 14th: Public Viewing

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

Tuesday, March 24th: Awards Ceremony

6:30 pm	Seating opens for the Awards Ceremony	**AMAC**
7:00–9:30 pm	Awards Ceremony	
9:30–10:30 pm	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) 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 Siggi 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.

Parent Responsibilities: Day-by-Day

Day 1: Registration & Setup. Wednesday, March 11th, 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 12th, 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.
- 🅿 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 12th, 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 12th, 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.
- 🅿 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 12th.

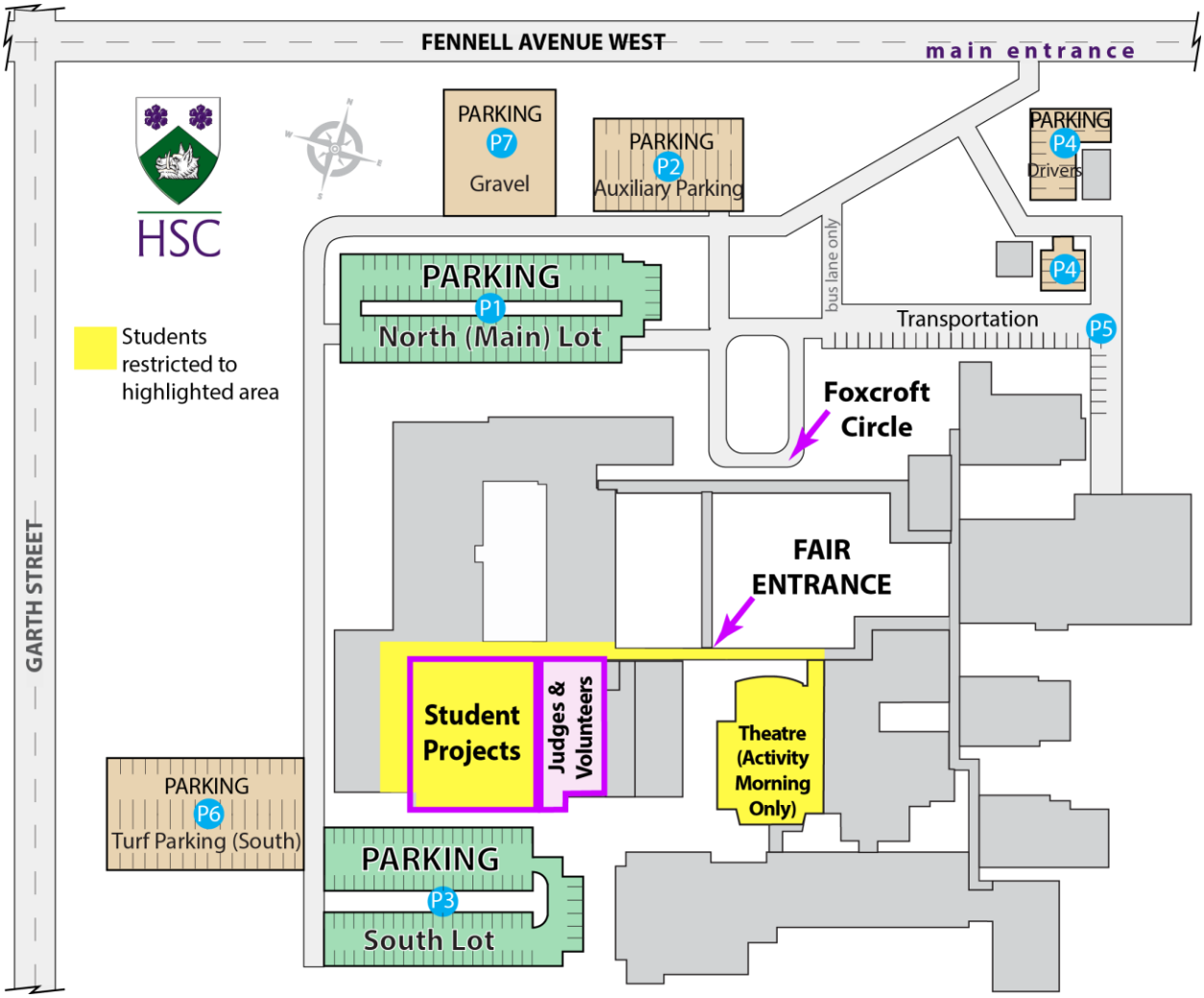
▶ Day 3: Public Viewing. Saturday, March 14th, 2026 @ 9:00 am–12:00 pm

- 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.
- 🅿 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 24th, 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.
- 🅿 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.

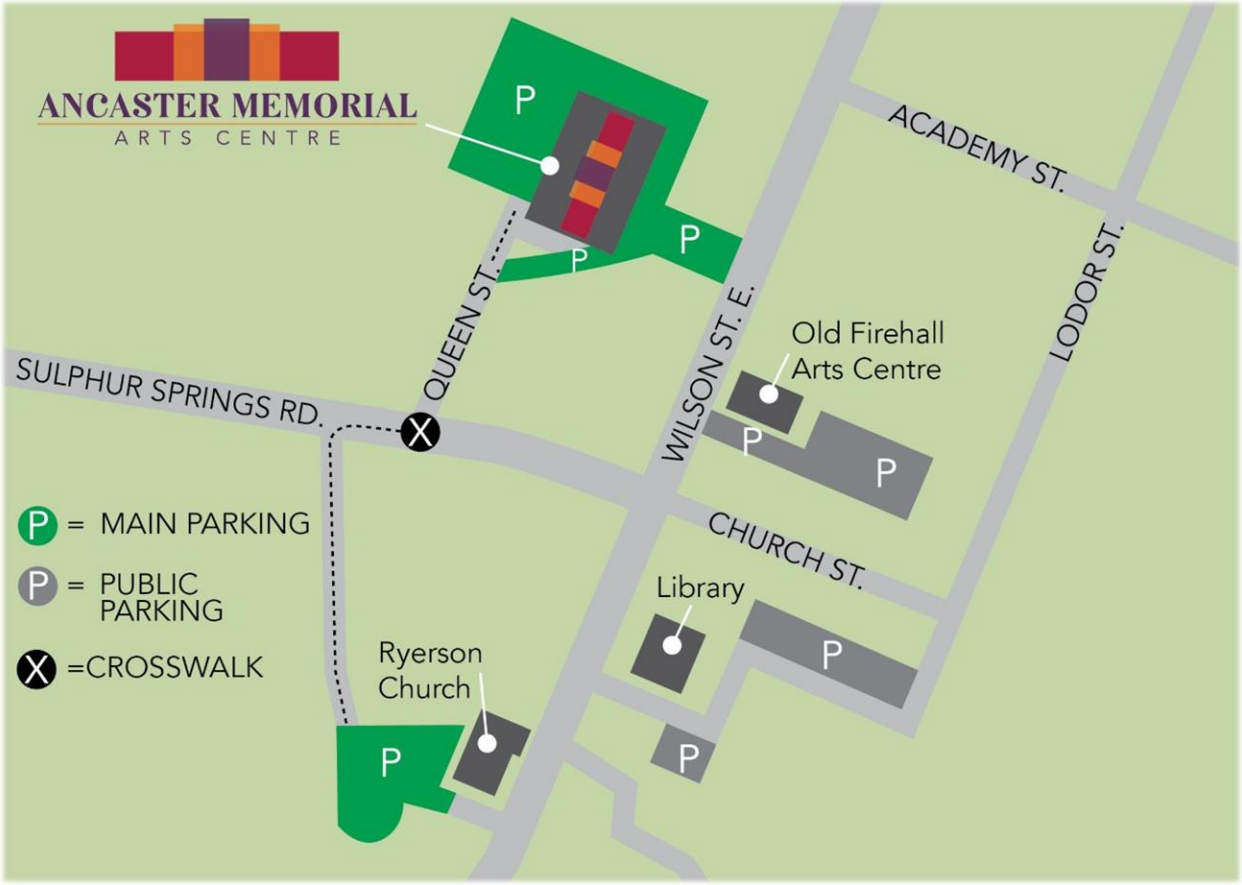
Map: Hillfield Strathallan College



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.

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.

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+)

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Platinum ($5,000+)

Gold ($2,500+)

Ancaster Memorial Arts Centre	Enbridge	Markette Ventures
Mohawk College		Sun-Canadian Pipe Line

Silver ($1,000+)

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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 . 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 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 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 ≥ 90% or higher earns a Gold Medal and a cash award
- A score ≥ 80% (but less than 90%) earns a Silver Medal and a cash award
- A score ≥ 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

2nd Best-in-Fair: $800

3rd 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 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 though 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 9–15th, 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:

ENBRIDGE

Hillfield Strathallan College
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Sun-Canadian Pipe Line

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 23–30th, 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.

CWSF ESPC
Canada-Wide Science Fair
Expo-sciences pancanadienne

Sponsored By:

Burlington hydro inc.

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Halton District School Board

McMaster University

ONTARIO POWER GENERATION

Rotary Club of Ancaster A.M.

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
Artistically Inspired Display Awards Prizes: Two awards of $50 each Criteria: To the most artistically inspired display.	*Caitie Booth* *Cathy Hayman* *Steve Hayman* *Tyler Collins*
Association for Iron & Steel Technology Northern Chapter Awards Prizes: 1st $250 2nd $150 3rd $100 Criteria: For outstanding projects related to one of the following fields: metallurgy, materials science, chemical, electrical, mechanical, industrial, environmental, civil and computer engineering.	*Shannon Clark*
BASEF Inspiration Student Awards: Prizes: $500 awards 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.	*BASEF*

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

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 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.	*Jim Casey* *Al Nicolls*
Dr. Colin J.L. Lock Memorial Chemistry Award Prize: $100 Criteria: An outstanding project involving chemistry, especially crystals.	*BASEF*
Dr. Laura Blew Social Sciences Awards Prizes: Two awards of $100 each Criteria: Projects that best demonstrate an understanding of the scientific process as it applies to social sciences issues.	*BASEF*
Dr. M. Doyle Biology Award Prize: $250, a plaque, and a trophy for the winner's school Criteria: Best biology project.	*BASEF*
Dr. Nicola Simmons Award in Cognition Studies Prize: $100 Criteria: An exemplary project in cognition studies (animals or humans).	*BASEF*
Electrical Contractors Association of Niagara Hamilton Awards Prizes: Two awards of $250 each Criteria: Projects displaying the best and safest use of electricity in the most creative manner.	*Joe Kurpe*
Environmental Inspiration Award Prize: $250 Criteria: The best project that addresses an environmental problem in an inspirational or innovative way.	*Angela Ceccato*
Farncombe Family Digestive Health Research Awards 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.	*Amber Hann* *Liam Rondeau* *Mark Wulczynski*

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

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

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. ***Geography Award*** Prize: $100 Criteria: Outstanding project in geography or social science.	*Keeley Aird* *Luc Bernier* *Bamidele Oretade*
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
Nikola Tesla Innovation Awards Prizes: Gold $150 Silver $100 Bronze $50 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.	*Vic Djurdjevic* *Alex Stojanovic*
Ola Lunyk-Child Memorial Health Awards Prizes: 1st $250 2nd $150 3rd $100 Criteria: Excellent projects related to any aspect of nursing, nursing research or other medically related fields.	*Peter Child*
Procor Engineering Awards Prizes: Junior $50 Intermediate $100 Senior $150 Criteria: Excellent engineering projects.	*Eziaku Nri* *Wade Osborne* *Ivona Szczerbowicz*
Professional Engineers Ontario – Oakville Chapter Awards Prizes: Five awards of $200 each: one each at the Senior and Intermediate levels, and three at the Junior level. Criteria: Deserving engineering projects.	*Mai Abdou* *Sidra Farid* *Mutaz Suleiman*
Rotary Club of Hamilton Stoney Creek Awards Prizes: 1st $250 2nd $150 3rd $100 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.	*James McDonnell*
Royal Botanical Gardens Award Prize: 1-year RBG family membership Criteria: Best project in plant or environmental sciences.	*BASEF*
Society of Tribologists & Lubrication Engineers – Hamilton Chapter Prize: Two awards of $250 each Criteria: Projects that utilize the principles of tribology, (friction, wear and lubrication), to solve a technical problem.	*Richard Schrama*
The Imagination to Enterprise Awards Prizes: 1st $1,500 2nd $1,000 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.	*Ben Gulak*

Special Awards		Judges
The Research Institute of St. Joe's Hamilton, Health Research Awards		*Sylvia Chong*
Prizes:	Two awards of $100 at the intermediate level	*Laura Garrick*
	Two awards of $50 at the junior level	*Alana Penny*
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.	
Water Environment Association of Ontario Award		*Dean Iamarino*
Prize:	$100	*Amr Melligy*
Criteria:	For a project focused on innovative ideas for preserving and/or enhancing Ontario's water environment.	

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 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 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

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

MERIT JUDGES 2026

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

MERIT JUDGES 2026

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

MERIT JUDGES 2026

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

MERIT JUDGES 2026

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

MERIT JUDGES 2026

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

BASEF 2026 Volunteers

We would like to thank all of our volunteers who help to make BASEF 2026 possible! Please contact 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

BASEF 2026 Projects & Exhibitors

School Boards Represented:

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*
HWCDSB	*Hamilton-Wentworth Catholic District School Board*
HWDSB	*Hamilton-Wentworth District School Board*
IND	*Independent*

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.
A01	HUANG, VALENTINA. "The effects of cryopreservation on cellular structures" Life Sciences Non-Human, Junior 7/8. Palermo Public School, HDSB.
A02	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.
A03	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.
A04	BARKMAN, KAITLYN. "Are We Alone in the Solar System?: Potential for Life on Mars" Life Sciences Non-Human, Junior 7/8. Home Schooling, IND.
A05	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.
A07	CALDWELL, BROOKLYN. "Assessing Equine Peptic Ulcers Through Appearance" Life Sciences Non-Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
A08	NAGRA, NAVJOT & PANDYA, ISHA. "GermDetect Glasses" Life Sciences Non-Human, Junior 7/8. John William Boich Public School, HDSB.
A09	PZYTULA, ZANE. "Ants versus Humans" Life Sciences Non-Human, Junior 7/8. St. Matthew, HWCDSB.
A10	KADRY, HAYA. "MealMaster" Life Sciences Non-Human, Junior 7/8. John William Boich Public School, HDSB.
A11	HENDRA, FIFI. "Orange Juice Vs Orange Soda" Life Sciences Non-Human, Senior 11/12. King's Christian Collegiate, IND.
A12	YOUSEFIZAD, ADRIAN. "Plants, Nature's Carbon Capture Machine" Life Sciences Non-Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
A13	SUNNUCKS, ANGELICA. "Pros/Cons of Living in a Zoo For Animals" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
A14	LIN, ABIGAIL. "Cracking Osmosis" Life Sciences Non-Human, Intermediate 9/10. Holy Trinity Secondary School, HCDSB.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
A15	SHARPE, ANDREW. "Germ Mystery: What's Beneath Our School's Everyday Surfaces" Life Sciences Non-Human, Junior 7/8. St. Andrew Elementary School, HCDSB.
A16	DE SILVA WIJEYERATNE, ALEXANDER. "Do Animals Have Philosophy?" Life Sciences Non-Human, Junior 7/8. St. Mary Elementary School, HCDSB.
A17	HAIDER, HUSSAIN. "Species-Dependant Biofilm Inhibition through Vitamin C" Life Sciences Non-Human, Intermediate 9/10. Hillfield Strathallan College, IND.
A18	AL-KHAFAJI, MARIAM & SINGH, AVANI. "Hypoestrogenism-Induced Postmenopausal Osteoporosis: Literacy Disparities & Prophylactic Efficacy" Health Sciences Human, Intermediate 9/10. White Oaks Secondary School, HDSB.
A19	MAWJI, AYAAN & VARDHAN, NIMISH. "NeuroMind AI" Health Sciences Human, Intermediate 9/10. Corpus Christi Secondary School, HCDSB.
A20	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.
B01	SHAHID, AZKA & SHARMA, NEHA. "Does What We Smell Affect How We Feel?" Health Sciences Human, Junior 7/8. Lake Avenue, HWDSB.
B02	WEI, NANCY. "Color Recognition and Failure to Track Dementia Disease's Progression" Health Sciences Human, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
B03	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.
B04	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.
B05	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.
B06	GAO, CHLOE. "From Sip to Spike" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
B07	MURALIDHAR, REYA. "Does the Presence of Devices Affect Concentration and Cognitive Ability?" Health Sciences Human, Junior 7/8. Eastdale, HWDSB.
B08	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.
B09	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.
B10	KHAN, NABIHA. "BioSkin Intelligence -Skin Conditions & Cancer Risk Screening" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
B11	ARJA, LAKSHYA & KOOSSA, ZAHRA. "Are Gender Stereotypes Real?" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
B12	WILSON, JULIA. "Worth the Warmup?" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
B13	MATTHEWS ROLFE, MADDIE & RICHARDSON, ELSIE. "A Hunch About The Crunch" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.

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B14	NASTASE, ANA. "Mind Over Melodies" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.
B15	AL BENDER, TALA. "The IBD Capital Of The World. Why Canada?" Health Sciences Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
B16	MATYJAS, LILLIAN & XU, ANNIE. "S.I.G.N.A.L" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
B17	CHANDRA, AHAAN. "The test of music genres on memorisation" Health Sciences Human, Junior 7/8. Hawthorne Village Public School, HDSB.
B18	ENGELS, ISABELLE & SABOGAL, EMMA. "How does social media affect today's youth" Health Sciences Human, Junior 7/8. St. Mary Elementary School, HCDSB.
B19	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.
B20	PAUL, CHRISTINE & PAUL, JOANNE. "Future of Faculty" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
C01	CURRIE, APRIL & UZER, ASYA. "How are Decisions Made?" Health Sciences Human, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
C02	JHAM, KABIR & KHWAJA, FAIZ. "Filtering The Invisible: Analyzing How Microplastics Affect Our Bodies" Earth & Env Sci, Junior 7/8. Dr. David R Williams, HDSB.
C03	EASO, SABRINA. "Knowledge Vs. Action: Does Learning Lead to Doing?" Health Sciences Human, Junior 7/8. Balaclava, HWDSB.
C04	BARKMAN, HEATHER. "Can CRISPR Be Used to Enable Cryogenic Freezing?" Health Sciences Human, Senior 11/12. Canadian Virtual School, IND.
C05	SALMAN, HASAN. "K.O! The correlation between video games and anger issues." Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
C06	AKANNI, SINDARA. "Math Under Melody" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
C07	OLORUNTOBA, DAMISI. "Catching Zs With L.E.Ds" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
C08	BORHAM, LEEN. "Multifactorial Physiological and Behavioural Mechanisms Contributing to Digital Eye Strain" Health Sciences Human, Junior 7/8. Munn's Public School, HDSB.
C09	GARCIA-OTERO, SEBASTIAN. "GO READ" Health Sciences Human, Junior 7/8. St. Mary Elementary School, HCDSB.
C10	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.
C11	TAN, SIQI. "Persistent-Homology Guided Pseudotime Framework Reveals Cyclic Transcriptional States in PDAC" Health Sciences Human, Intermediate 9/10. Iroquois Ridge High School, HDSB.
C12	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.
C13	ANGLEHART, KARLY & MACIVER, ISLA. "Under Pressure: How Climate Crisis Exposure Impairs Teen Cognition" Health Sciences Human, Senior 11/12. Elsie Macgill Secondary School, HDSB.

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C14	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.
C15	KIM, ELLIE. "The Effects of Tai Chi on Elderly's Gate and Balance" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
C16	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.
C17	MUTHUKUMARANA, IMIRA. "AI Verses Human" Health Sciences Human, Junior 7/8. St. Matthew, HWCDSB.
C18	MUNDA, SAFEEYA. "Your Thoughts Affect you More Than You Think" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
C19	FATIMA, FIZA & FATIMA, HAREEM. "Positive VS Negative Encouragement" Health Sciences Human, Junior 7/8. Rattlesnake Point Public School, HDSB.
C20	YUAN, RUTH. "The Cognitive and Psychological Effects of Anesthesia on Individuals Diagnosed with Schizophrenia" Health Sciences Human, Junior 7/8. Sunningdale Public School, HDSB.
D01	HAMDANI, LAILA & SHARMA, SAANVI. "Comparing effectiveness of common household cleaning products in ability to reduce colonies" Biotechnology, Junior 7/8. Palermo Public School, HDSB.
D02	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.
D03	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.
D04	GOMEZ, SAMUEL & VAN ALSTINE, JAKE. "Don't Slip! Testing Household Materials on Ice" Phys & Math Sci, Junior 7/8. Immaculate Conception, HWCDSB.
D05	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.
D06	MCCAUGHEN, SIENNA. "Environmental Effects on Personality" Health Sciences Human, Junior 7/8. Janet Lee, HWDSB.
D07	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.
D08	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.
D09	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.
D10	OWEDE, OLIVIA & VIVERA, ALINA. "Mood and Mindset" Health Sciences Human, Junior 7/8. St. Andrew Elementary School, HCDSB.

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D13	PACIFICI, ELI. "Hotter, harder, deadlier; combatting the effects of climate change in sport" Health Sciences Human, Junior 7/8. St. Bernadette, HWCDSB.
D14	ISHOLA, TOMI & MANDAIR, MAYA. "Sleep Smarter: Investigating the Benefits of Eye Masks" Health Sciences Human, Senior 11/12. Garth Webb Secondary School, HDSB.
D15	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.
D16	HAMID, DANAH. "How the physical processes of the mind generate subjective experience." Health Sciences Human, Junior 7/8. Sunningdale Public School, HDSB.
D17	XU, JACQUELINE. "Psychology's Place in Crime and Court" Health Sciences Human, Intermediate 9/10. Garth Webb Secondary School, HDSB.
D18	RZECZKOWSKI, VICTORIA. "AquaSweep" Biotechnology, Junior 7/8. St. Mary Elementary School, HCDSB.
D19	CAI, YIYUN. "Investigating the Influence of Steroid Hormones on Breast Cancer Progression" Health Sciences Human, Senior 11/12. Appleby College, IND.
D20	SANGHA, SAVANNAH. "Microplastics in Food and Beverage" Health Sciences Human, Junior 7/8. Foundations Montessori School, IND.
E01	HE, TIANA & VIVEK, MEGHNA. "2 Lungs, 2 Stories: Healthy vs Cancerous" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
E02	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.
E03	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.
E04	REN, RENEE. "Engineering a Smart Probiotic-Based Drug Delivery Device for Gut–Lung Axis Targeted Immunotherapy" Biotechnology, Intermediate 9/10. Appleby College, IND.
E06	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.
E07	MAGUIRE, CONNOR. "Tracking Deadly Diseases" Biotechnology, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
E08	PATEL, VED & PATEL, VEER. "Silent Signals: Can our Heartbeat Reveal Risks Before Symptoms?" Biotechnology, Senior 11/12. Westmount Secondary School, HWDSB.
E09	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.
E10	WANG, MICHELLE. "Common Causes of Scaffold Failure in Published 3D Bioprinting Studies" Biotechnology, Intermediate 9/10. Hillfield Strathallan College, IND.
E11	MISTRY, MAYA. "How does skincare affect the skin (specifically a CTM routine) and why?" Biotechnology, Junior 7/8. C.H. Norton Public School, HDSB.
E12	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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E13	BANERJEE, AADIT & MALHOTRA, AARAV. "Bio-Inspired Myoelectric Prosthetic Design" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
E14	KIUNG, SABRINA. "Emerging Innovative Cell-Based Wound Dressings For Scarless Wound Healing" Biotechnology, Senior 11/12. Hillfield Strathallan College, IND.
E15	AMER, MARYAM & BAJAJ, SYRA. "Seal & Heal" Biotechnology, Junior 7/8. Joshua Creek Public School, HDSB.
E16	MALHOTRA, ISHITA. "Exploring the Viability of Egg White as a Low-Cost Biosensor Material" Biotechnology, Senior 11/12. Burlington Central High School, HDSB.
E17	AKUDE, ESHAAN & AL TABARANI, RAYAN. "Sarco Analyst" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
E18	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.
E19	BARTLETT, OMAR. "Gas Lift" Biotechnology, Junior 7/8. Oxford Learning Academy, IND.
E20	LABIB, JONATHAN. "The Impact of Semaglutide Becoming a Generic Medication" Biotechnology, Senior 11/12. King's Christian Collegiate, IND.
F01	DAWE, MARCUS. "The Rust-o-meter experiment: measuring household liquids rust ability." Phys & Math Sci, Junior 7/8. St. Timothy Elementary School, HCDSB.
F02	ALKAISI, ADAM. "Viscosity of motor oil" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
F03	WU, JERRY. "How does base type (KOH vs. Ca(OH)2) affect the saponification value of coconut oil?" Phys & Math Sci, Senior 11/12. Westdale Secondary School, HWDSB.
F04	ZHU, ALICE & ZHU, MIA. "Plant-Powered Protection" Phys & Math Sci, Junior 7/8. W. H. Morden Public School, HDSB.
F05	PIASCIK, VICTORIA. "Neutrafy" Phys & Math Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
F06	ATIF, RUMMAN. "Bounce Boost: The Perfect Shoe Sole" Phys & Math Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
F07	BENNET PATTON, WILLIAM & BINDIGANAVALE RAJEEV, ABHINAV. "Newton's laws of physics" Phys & Math Sci, Junior 7/8. Chedoke, HWDSB.
F08	AMER, MISHA. "The Science of Chromatography" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
F09	ARORA, IVAAN. "Performance or Price Tag?" Phys & Math Sci, Junior 7/8. Oakville Christian School, IND.
F10	HOARE, NOLAN. "Keeping the air clean using antibacterial air filters" Phys & Math Sci, Intermediate 9/10. Bishop Tonnos Secondary School, HWCDSB.
F11	JOHNSTON, ANNA. "Weight Vrs Speed" Phys & Math Sci, Junior 7/8. Highview, HWDSB.
F12	ROHIT, VAIGA. "Drink Power" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
F13	SALVATORE, JOE. "Bubble Boost: A process for improving descaling efficiency using CO2 infused cleaning solutions" Phys & Math Sci, Junior 7/8. St. Clare of Assisi, HWCDSB.
F14	HARINGTON, DAVID & MELDRUM, MARSHALL. "Does a diy magnet generatot work" Phys & Math Sci, Junior 7/8. Highview, HWDSB.

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F15	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.
F16	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.
F17	COONEY MANN, LEITHAN. "All natural carpet cleaning" Phys & Math Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
F18	JENEWAY, HARRY. "Does My Golf Shaft Matter?" Phys & Math Sci, Junior 7/8. Oakville Christian School, IND.
F19	PANGAN, DECLAN. "How Does the Temperature of a Tennis Ball Change How It Bounces?" Phys & Math Sci, Junior 7/8. Highview, HWDSB.
F20	LI, XIAOLE & XIA, PEIJIE. "Tracking NaHCO3 Concentration Effects on Initial Reaction Rate via Real-Time Mass-Loss Analysis" Phys & Math Sci, Senior 11/12. Westdale Secondary School, HWDSB.
G01	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.
G02	ELNOUR, MATAB. "Magnetic Motor" Phys & Math Sci, Junior 7/8. Oxford Learning Academy, IND.
G03	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.
G04	NAGY, KAELAN. "How can structural design protect buildings against earthquakes?" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
G05	ALSAADI, DEEMA. "Spot The Bot: Testing AI Detectors Accuracy" Eng & Comp Sci, Junior 7/8. Al-Falah Islamic School, IND.
G07	MENG, MAX & SHEN, ETHAN. "Analysis of the Feasibility of Green Aircraft" Eng & Comp Sci, Junior 7/8. St. Andrew Elementary School, HCDSB.
G08	BIDA, YORIT. "Sanitary Circuits: Using Electronics to Enforce Hand Sanitizing" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
G10	THOMAS, MATTHEW. "Balance boom" Eng & Comp Sci, Junior 7/8. St. Augustine, HWCDSB.
G11	JOHNSON, WILLIAM. "Designing a Low Cost Telescope to Make Astronomy More Accessible to Everyone" Eng & Comp Sci, Senior 11/12. Westdale Secondary School, HWDSB.
G12	FLETCHER, LEAH-ROSE & THOMPSON, ABBYGAYLE. "Wireless Electricity Using a Tesla Coil" Eng & Comp Sci, Junior 7/8. Cathy Wever, HWDSB.
G13	PAKALA, PRANEEL. "ECO guard" Eng & Comp Sci, Senior 11/12. Thomas A. Blakelock High School, HDSB.
G14	ALAM, DANIEL & DAWE, ETHAN. "An Evidence-Based Redesign of Handrails to Reduce Bacterial Contamination" Eng & Comp Sci, Junior 7/8. Immaculate Conception, HWCDSB.
G16	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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G17	BHAVYA, BHAVYA. "Mental Health Tracker App" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
G18	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.
G19	PANDEY, AVYAAN. "Does Carbon Fiber Improve Wind Turbine Blade Efficiency?" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
G20	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.
G22	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.
H01	PANGI, KUSHAGRA. "What's In a Name? Examining Demographic Bias in AI Chatbot Responses" Eng & Comp Sci, Junior 7/8. Mount Albion, HWDSB.
H02	ABOU-ASSALEH, EDWARD. "Atmospheric Water Harvesting" Eng & Comp Sci, Junior 7/8. Rotherglen School (Oakville), IND.
H03	DUPONT, MAXIMUS. "PSH research project" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
H06	INUKONDA, KAARTHIK. "DebrisClear Satellite" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
H07	BLASUTTO, MILA & WHALING, CHARLOTTE. "GripX" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
H08	KRONWALD, ASHWIN. "Measuring the Performance Cost of Operating System Protection Mechanisms" Eng & Comp Sci, Intermediate 9/10. North Park Collegiate and Vocational School, GEDSB.
H09	KULKARNI, SHIRIN. "PlantPal" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
H10	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.
H11	KOLLI, SAHITHI & MALODE, MIHIKA. "Simply Hair" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
H12	GREEN, FAITH. "Does AI have racism?" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
H13	KRISHNA, AMITAV. "Frobenius Normalization Enables Stable Training for Quantum State Denoising" Eng & Comp Sci, Intermediate 9/10. Holy Trinity Catholic High School, BHNCDSB.
H14	KOSHY, PHOENIX. "A new era of takeout: Edible Takeout Containers" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
H15	CHEN, ELLA & LI, EVELYN. "The Urban Heat Island Effect" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
H16	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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H17	TERLECKI, MAYA. "Husles" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
H18	SAMDANI, ZOYA & XIA, CHANTELLE. "PureFlow-microplastics filter" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
H19	ZHANG, SOPHIA. "AirSight: Forecasting the Future of Air Pollution Utilizing Machine Learning" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
H20	JAYARATNA, DULAINE. "ChitoCase" Eng & Comp Sci, Junior 7/8. Pilgrim Wood Public School, HDSB.
H21	RAHIJA, ANTHONY & SARAPHANIAN, AVA. "Trash-2D2" Eng & Comp Sci, Junior 7/8. Our Lady of the Assumption, HWCDSB.
H22	MATHESON, EVELYN. "Flow-based Low-impact Onsite Water energy in #HamOnt (FLOW#HamOnt)" Earth & Env Sci, Junior 7/8. St. Joseph, HWCDSB.
J01	KATIKA, VIVAAN & SAHA, AKASH. "GloveTech - To Enhance the Basic Features of Gloves" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
J02	BACIU, ELYSIA & BACIU, MARCUS. "Maglev" Eng & Comp Sci, Junior 7/8. Immaculate Conception, HWCDSB.
J03	DURCEK, MAXIMILIAN & MONOWAR, SAJID. "Material Deposition for Synthetic and Natural Growth Patterns" Eng & Comp Sci, Senior 11/12. Assumption College School, BHNCDSB.
J06	CHEN, YUHAN. "Temp-Controlled Fan" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
J07	BAATAR, NANDIN & JARVIS, CADENCE. "Hurricane Preparatory Vest" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
J08	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.
J09	AGARWAL, ESHITA. "HearGlow: Turning Sound into Awareness" Eng & Comp Sci, Intermediate 9/10. Burlington Central High School, HDSB.
J10	NIAZOV, LEAH. "Emotion in Motion" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
J11	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.
J12	STEYN, GENEVIEVE. "On the Brink of a Delightful Drink" Eng & Comp Sci, Junior 7/8. Oakville Christian School, IND.
J13	SOLANKI, SAISHA. "Remote controlled tank" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
J14	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.
J15	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.
J16	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.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
J17	KARTHIK, AKSHITA. "BloomPredict: Early Detection System for Algal Blooms in Ontario" Earth & Env Sci, Intermediate 9/10. Garth Webb Secondary School, HDSB.
J18	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.
J20	GUIRGUIS, LILY & RANJITH, YAASMINA. "The ECODome" Earth & Env Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
J21	CHEERS, LUKE. "Easy Click - A Simplified TV Remote Control for People Living with Dementia" Eng & Comp Sci, Junior 7/8. St. Bernadette, HWCDSB.
J22	MIKAELA, JOANNA & OKEKE, NADIRA. "SMART bandage" Biotechnology, Junior 7/8. Holy Name of Jesus, HWCDSB.
K01	TOALDO, SOFIA & ZADLO, MAYA. "VisionFree - Braille Keyboard Cover" Eng & Comp Sci, Junior 7/8. Our Lady of the Assumption, HWCDSB.
K05	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.
K06	CHANG, SUNNIA & WU, ELENA. "The Very Hungry Caterpillar" Earth & Env Sci, Junior 7/8. W. H. Morden Public School, HDSB.
K07	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.
K08	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.
K09	MOHANTY, ARYAN. "FruitPlast: Engineering and Performance Assessment of Fruit-Derived Biopolymers" Biotechnology, Intermediate 9/10. Abbey Park High School, HDSB.
K10	BHATIA, KIAAN & FAIZ, MURTAZA. "Water Filtration system" Earth & Env Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
K11	HANNA, CELINA. "Extracting Microplastics From Water Using Ferrofluid" Earth & Env Sci, Junior 7/8. Oakville Christian School, IND.
K12	NAIR, ABHIRAAM. "Low-Cost Multi-Stage Activated Carbon Filtration for PFAS Analog Removal" Earth & Env Sci, Junior 7/8. St. Augustine, HWCDSB.
K13	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.
K14	ABBAS, HANIA & CHATALA, AMULYA. "Coralx03" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
K15	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.
K16	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.
K17	KHAN, ASHER & SHAH, ZAID. "Hydraulic arm inspired by spider physiology." Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
K18	PRAMOD, AARON. "How Might We Design a Low-cost Effective Water Filtration System" Earth & Env Sci, Junior 7/8. Immaculate Conception, HWCDSB.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
K19	BALAN, ASHLEE & LORTIE, AMELIA. "How Sound Vibrations Affect the Growth of Plants" Biotechnology, Senior 11/12. Garth Webb Secondary School, HDSB.
K20	KRUSE, MAXIMILIAN. "Testing and improving the reliability of readily available water quality testing strips" Earth & Env Sci, Senior 11/12. Westdale Secondary School, HWDSB.
K21	CHUKWU, AUGUSTA. "Earthquake Resistant School" Eng & Comp Sci, Junior 7/8. Holy Name of Jesus, HWCDSB.
K22	DHILLON, JAGJIT & PEREZ GUTIERREZ, NELSON. "BrightWater" Earth & Env Sci, Senior 11/12. King's Christian Collegiate, IND.
L01	QAZI, DANIYAL & 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.
L02	ADAMS, ANDREW. "Garbage Shredder (Waste Reduction)" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
L03	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.
L04	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.
L05	GROTRA, ISHAAN. "BioTune: A Wearable Biofeedback Device for Real-Time Stress Reduction Through Adaptive Sound" Biotechnology, Senior 11/12. Appleby College, IND.
L06	NABIL, TAMEEMAH. "Designing a Solar-Powered Smart Microgrid System for Rural Hospitals" Eng & Comp Sci, Senior 11/12. Craig Kielburger Secondary, HDSB.
L07	KHAN, RAMEEN. "Development of a Computer Vision System for Quantitative Wound Healing Monitoring" Biotechnology, Intermediate 9/10. Elsie Macgill Secondary School, HDSB.
L08	MAHARAJ, NIAM. "LebanVolt: wearable piezoelectric triboelectric generator, sustainable electricity anywhere, anytime" Eng & Comp Sci, Intermediate 9/10. Garth Webb Secondary School, HDSB.
L10	BOLARINWA, ISAAC & KHAN, SHEES. "EcoSort Smart Trashcan" Earth & Env Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
L11	HILL, KEALAN. "The Entanglement Engine: Quantum Simulation Framework" Eng & Comp Sci, Senior 11/12. North Park Collegiate and Vocational School, GEDSB.
L12	LEE, JAYDEN. "LeafSeg: Improving Plant Disease Detection through Artificial Intelligence" Earth & Env Sci, Intermediate 9/10. Abbey Park High School, HDSB.
L13	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.
L14	MEHTA, VEER & SREEJITH, SATYA. "AudiSee" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
L15	SATHISH, JYOSITH & SATISH, ADVIK. "ADJOlabs" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
L17	RAJENDRAN, POOJA SREE. "Multimodal AI-Based Medical Assistant" Health Sciences Human, Junior 7/8. John William Boich Public School, HDSB.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
L18	ALAM, SHAH & MADHOTRA, MEDHANSH. "SafeRoute" Eng & Comp Sci, Junior 7/8. John William Boich Public School, HDSB.
L19	RAI, VATSA & SRIRAMULU, KRITHIK. "THE LEGO DRONE" Eng & Comp Sci, Junior 7/8. Hawthorne Village Public School, HDSB.
M01	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.
M02	ESAN, ROTIMI & RIAHI, ZAKARIA. "ZEMU" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
M03	BHUSHAN, SHAURYA & KHANNA, MEHAR. "Perseas: Scaling VMG Sailing Analytics to Decarbonize Cargo Shipping" Eng & Comp Sci, Senior 11/12. Elsie Macgill Secondary School, HDSB.
M05	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.
M06	AJMAL, FAIQ. "Road Ice Detection System" Eng & Comp Sci, Senior 11/12. Milton District High School, HDSB.
M07	GOPINAATH, VEDIKA. "Wildfire Smoke Control Using Vortex Ring Flow" Earth & Env Sci, Senior 11/12. White Oaks Secondary School, HDSB.
M09	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.
M11	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.
M12	MABAYYED, MAYA. "Indoor Mold Risk Monitoring and Alert System" Eng & Comp Sci, Senior 11/12. Burlington Central High School, HDSB.
M13	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.
M14	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.
M15	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.
M16	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.
M17	KIRAN, YUTI. "Doctor Assistant" Eng & Comp Sci, Intermediate 9/10. Corpus Christi Secondary School, HCDSB.
M18	BARKMAN, TRISTAN. "Collision-Statistical Modeling of Scale-Dependent Velocity Fluctuations" Phys & Math Sci, Senior 11/12. Home Schooling, IND.
M19	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.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
M20	SHAHID, MOEEN & WANG, ANDY. "Machine Learning Prediction of SSRI Response Using fMRI Connectivity" Health Sciences Human, Intermediate 9/10. Oakville Trafalgar High School, HDSB.
N01	HUDSON, EDAN & YARI, RYAN. "Motion Detector Alert System" Eng & Comp Sci, Junior 7/8. Sunningdale Public School, HDSB.
N02	SHARMA, TANISHA. "RadianceAI - Combating Social Isolation in Seniors Through AI-Powered Companionship" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
N03	BAJWA, KHADIJA. "From Fire to Fish: Restoring Freshwater for Indigenous Communities" Earth & Env Sci, Junior 7/8. Al-Falah Islamic School, IND.
N04	HAZRA, DEVAN. "Gait Trace: ML Powered Parkinson's Detection in 30 Seconds" Eng & Comp Sci, Junior 7/8. W. H. Morden Public School, HDSB.
N05	SCHROTH, LUKAS. "Are you eating bacteria?" Life Sciences Non-Human, Junior 7/8. Oakville Christian School, IND.
N06	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.
N07	PAREKH, SHLOK & SHINN-CONCEPCION, KEEGAN. "'Sign Link' American Sign-Language glove" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
N08	AMIN, SAHAR & AMMAD, ALIZA. "Trust Me, I Saw It Online" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
N09	VYAS, AMAEY. "AmAI: Redefining Classroom AI" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
N10	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.
N11	DERMAN, KAIDEN. "Intrusion Detection Using Small Programmable Electronic Devices." Eng & Comp Sci, Junior 7/8. Joshua Creek Public School, HDSB.
N12	ABU-AMARA, RAYAN & CHOPRA, ARMAAN. "Path Finder" Eng & Comp Sci, Junior 7/8. Joshua Creek Public School, HDSB.
N13	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.
N14	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.
N15	GONG, ANTHONY & MEI, MANNY. "Echo Pantry" Eng & Comp Sci, Intermediate 9/10. Upper Canada College, IND.
N16	ANJUM, ZOYA & BERNOU, MYRIAM MAYA. "In the right mind to remind?" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
N17	LIU, GARY & REN, DYLAN. "Electronic Information Organizer" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
N18	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.

Proj. #	LAST NAME(S), FIRST NAME(S). “Project Title.” Division, Level. School, Board.
N19	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.
N20	CHAKKA, MUKUND & KOHLI, VEER. "Temperature Cooling System for a Phone" Eng & Comp Sci, Junior 7/8. Rattlesnake Point Public School, HDSB.
P01	BALAKUMAR, SUBAKARTHIK. "Calmbot : Calming robot dog for kids with anxiety." Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
P02	CHATHAROO, KEYAAN. "Is Biomass A Sustainable Source Of Energy?" Earth & Env Sci, Intermediate 9/10. St. Kateri Tekakwitha, HCDSB.
P03	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.
P04	CHODORIWSKY, ZECHARIAH. "Does a Cat's Meow Sound Change by Region (Accent)" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
P05	CHODORIWSKY, ELIJAH. "Can you Teach Old Cats New Tricks" Life Sciences Non-Human, Junior 7/8. Janet Lee, HWDSB.
P06	BADARALA, LOHITAKSH. "AIM-VEE (AI-Based Modelling of Vertical Excitation Energies)" Eng & Comp Sci, Intermediate 9/10. Bishop P. F. Reding Secondary School, HCDSB.
P07	GANAPATHY, PRANEETHA. "Gesture tracking" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
P08	DONG, TOMMY & SUN, YOLANDA. "Machine Learning Detection of Heart Failure using Gut Microbiome Samples" Biotechnology, Intermediate 9/10. Westdale Secondary School, HWDSB.
P09	LIU, MICHELLE & WU, MICHELLE. "The Chemistry of Resistance: Acids and Magnesium in Bacteria" Biotechnology, Junior 7/8. W. H. Morden Public School, HDSB.
P10	FANTOZZI, VALERIO & RAAD, VEN. "BirdLens (intelligent bird camera)" Eng & Comp Sci, Junior 7/8. St. Gabriel Elementary School, HCDSB.
P11	ALMASRI, FAISAL & UHART, NICANOR. "DermAi Pro" Biotechnology, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
P12	BILAL, ZAINAB. "Logic vs. Appeal: What Happens When Cognitive Biases Interact?" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
P13	DIXIT, REYANSH & MAO, CHARLIE. "Not So Sweet : AI-Assisted Insulin Dose Calculation" Health Sciences Human, Junior 7/8. W. H. Morden Public School, HDSB.
P14	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.
P15	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.
P16	SHAH, KAHAN. "Cube Health Monitor" Eng & Comp Sci, Senior 11/12. White Oaks Secondary School, HDSB.
P17	FARAG, GABRIEL. "Brains vs. Bots" Eng & Comp Sci, Junior 7/8. Oakville Christian School, IND.
P18	FAROOQI, MUHAMMAD ABDULLAH. "Making a Temperature Regulating Module" Eng & Comp Sci, Junior 7/8. Al-Falah Islamic School, IND.

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P19	IYER, VIDYUT & NUNES, SEBASTIAN. "Building a Better Future with Facial Emotion Recognition" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
P20	JAUHARI, VIAAN. "AI-Based Early Wildfire Detection" Earth & Env Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
P22	AWAN, SOPHEYA & ZAIDI, HANIYA. "Noted" Health Sciences Human, Junior 7/8. Al-Falah Islamic School, IND.
P23	CHOWDHURY, NAHIAN. "Volume to the MAX! - Acoustic Impedance System for Non-Imaging Abnormal Tissue Density Detection" Biotechnology, Senior 11/12. Westdale Secondary School, HWDSB.
P24	PANCHAL, HITANSHU. "Estimating the Speed of Light Through the Standing Waves of a Microwave" Phys & Math Sci, Junior 7/8. R. A. Riddell, HWDSB.
P25	YZERMAN, EMERSON. "ThinkBin - An innovative take on waste management" Eng & Comp Sci, Junior 7/8. Charles R. Beaudoin Public School, HDSB.
Q02	ARUNAMANIVANNAN, AKSHATH. "Nimbus AI: Artificial Intelligence Augmented Academic Development Software" Eng & Comp Sci, Intermediate 9/10. Bishop P. F. Reding Secondary School, HCDSB.
Q03	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.
Q04	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.
Q05	LAMBA, PEARL & TAHA, MASA. "The long term impacts of AI dependency" Health Sciences Human, Junior 7/8. Dr. David R Williams, HDSB.
Q06	IBRAHIM, PAMELA & SARSAM, DANIELLE. "The Grassomatic" Eng & Comp Sci, Junior 7/8. St. Mary Elementary School, HCDSB.
Q07	GAUTAM, ARJUN & QIAN, ETHAN. "Household Salt Performance at Ice Melting" Phys & Math Sci, Junior 7/8. Dr. David R Williams, HDSB.
Q08	LUO, BETTY. "BackTracker: A Real-time Multimodal Biomechanical Posture Detection and Correction System" Eng & Comp Sci, Junior 7/8. Munn's Public School, HDSB.
Q09	JI, SOPHIA. "Sit Smarter, Not Harder: Real-Time Posture Analysis Using Computer Vision" Eng & Comp Sci, Junior 7/8. Dr. David R Williams, HDSB.
Q10	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.
Q11	STARR, HUDSON. "Is Screen Time Slowing Us?" Health Sciences Human, Junior 7/8. Oakville Christian School, IND.
Q12	PYARASANI, HASINI. "Glucose Responsive Patch" Biotechnology, Intermediate 9/10. White Oaks Secondary School, HDSB.
Q13	MULLA, SAIF & WASEEM, ZAIN. "Plant Communicator" Life Sciences Non-Human, Junior 7/8. Hawthorne Village Public School, HDSB.
Q14	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.

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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, HWCDSB.	
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.

BINDIGANAVALE 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.

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.

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, HWCDSB.

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.

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

JAYARATNA, DULAINE. "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.

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.

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.

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, HWCDSB.

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, HWCDSB.

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, HWCDSB.

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, CHANTELLE. "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.

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, HWCDSB.

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.

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, BHNCDSB.

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.

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 NaHCO3 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.

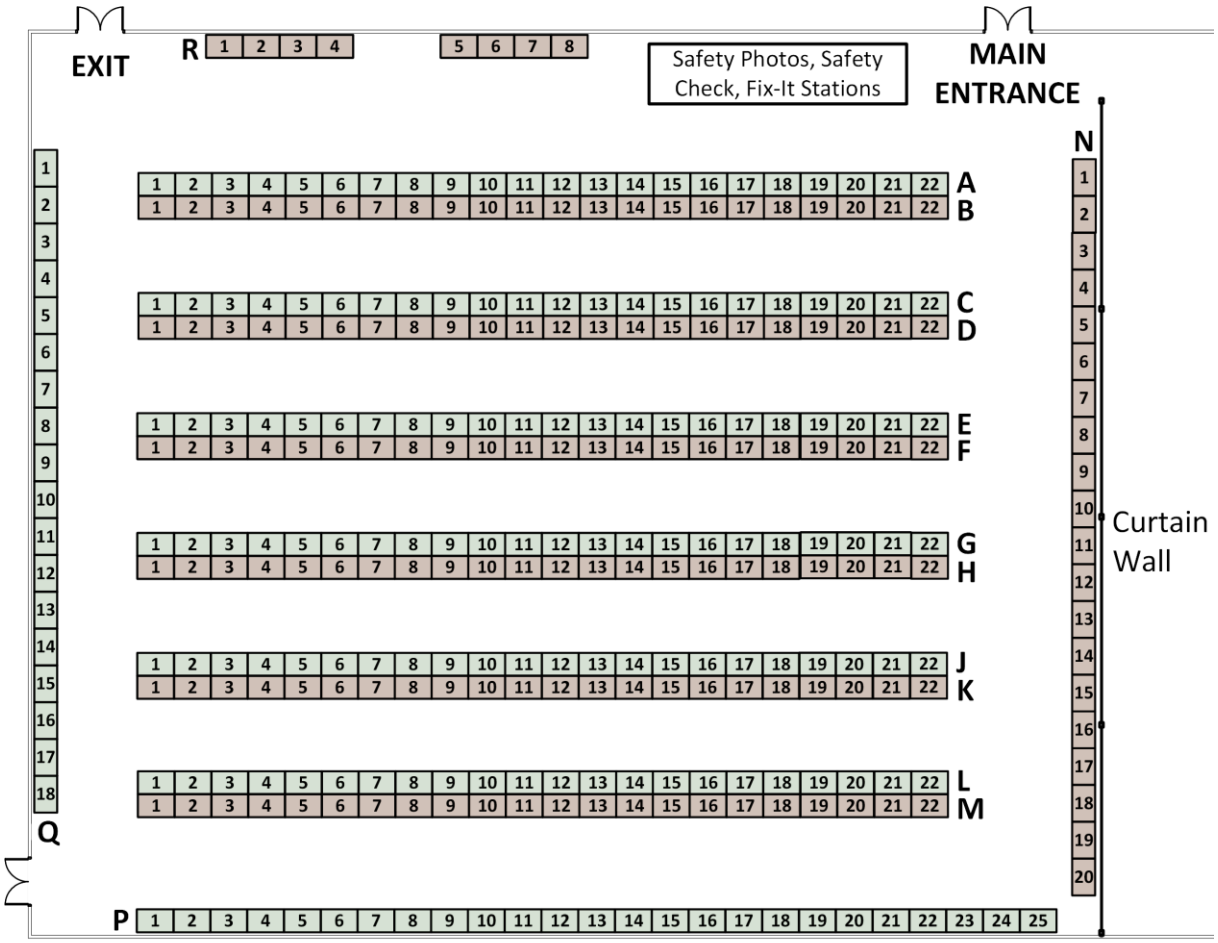
MONOWAR, SAJID. "Material Deposition for Synthetic and Natural Growth Patterns" J03, Eng & Comp Sci. Assumption College School, BHNCDSB.

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)2) affect the saponification value of coconut oil?" F03, Phys & Math Sci. Westdale Secondary School, HWDSB.	
XIA, PEIJIE. "Tracking NaHCO3 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 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!

Website:	www.basef.ca
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Pinterest:	www.pinterest.ca/basef
Flickr:	www.flickr.com/photos/team-basef
Blog:	www.basef.ca/blog/

Emergency Procedures

Hillfield Strathallan College	
In Case of Emergency:	> Dial 911 > Dial (905) 961-4977 for the Security Desk > Inform the nearest BASEF volunteer
Location:	299 Fennell Ave West, Hamilton, ON, L9C 1G3
Responder Directions:	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.
Other Key HSC Phone Numbers:	College Main Line: (905) 389-1367

Emergency Evacuation:

If you Smell Smoke:

- Call Campus Security immediately.

Upon Discovery of Fire (Flames):

- Leave fire area immediately and close doors behind you.
- Pull the nearest fire alarm.
- Evacuate the building via the nearest exit.
- Call Security or the appropriate emergency number.

Upon Activation of the Fire Alarm:

- Go to the nearest exit and leave the building.
- Close doors behind you.

Note:

- Do not use elevators or chair lifts.
- Use an alternative exit if you encounter smoke.
- 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.
- Notify Security and/or the Fire Department of their specific location.
- Do not re-enter the building until authorized by the Fire Department, Security, Staff, or Fire Wardens.

Emergency Lockdown:

Threat Inside the Building:

Upon hearing the voice message advising lockdown:

- Exit all common and open areas (including Library and cafeteria):
  - Disperse... do not congregate in open areas.
  - Exit the building or go to a room or area where you feel safe to enter.
- If exit is not possible:
  - Enter/stay in a room/area where you feel safe.
  - Close and secure doors if possible
  - Turn out lights.
  - Cover windows and/or stay away from windows.
  - Silence cell phones/use text messaging only.
  - Stay alert, quiet and out of sight.
  - Disregard fire alarm signal unless in immediate danger.
  - Do not exit until "All Clear" signal is heard.

End of Lockdown:

- 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.

Threat Outside the Building:

Hold and secure:

- The threat is outside and everyone remains inside the building.
- Notification will be communicated by a voice message.

BASEF 2026 wishes the best of luck to all participants. We hope to see you next year for BASEF 2027!