

OFFICIAL PROGRAM

BASEF 2021

Sponsored by:



**Primary Fluid
Systems Inc.**

**61st Annual Bay Area
Science & Engineering Fair
A Virtual Competition
March - April, 2021**

Diamond Sponsors
ArcelorMittal Dofasco

Platinum Sponsors
**Enbridge
HAND
The Hamilton Spectator
McMaster University
Mohawk College**

BASEF



**Big ideas.
Infinite possibilities.**

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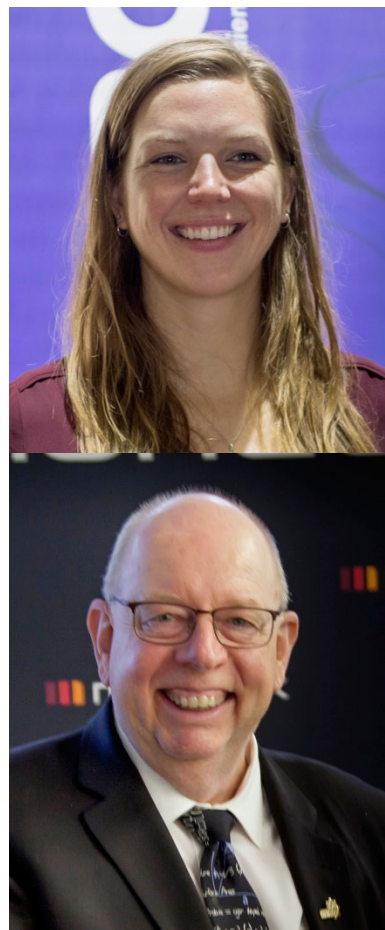
A MESSAGE FROM THE 2021 BASEF CO-CHAIRS

Dana Bee and Dan Bowman are your co-chairs for BASEF 2021. We would like to welcome you to the 61st Bay Area Science and Engineering Fair. This is our second year of presenting our fair during a pandemic. At least this year, we had time to plan.

Congratulations to the 160 student participants, representing 132 projects competing in BASEF 2021. Although our numbers are substantially down from previous years, we at BASEF are thrilled that this many students have shown how committed they are to creating a science fair project during this pandemic period. We also know that the students could not have done this without the support of dedicated teachers and parents. Again, this year BASEF provides an opportunity for students to demonstrate their dedication and tenacity, by creating the opportunity for them to showcase their projects, thoughts, and innovations, while on their way to discover themselves as promising scientists and engineers.

What does our motto “Big Ideas... Infinite Possibilities” mean to the students, and to the judges, parents, sponsors, and visitors to our fair? Since BASEF’s inception in 1960, the scientific community has witnessed the moon landing and the discovery of the merger in gravitational waves and electromagnetic radiation; the cloning of Dolly the sheep and the first human face transplant; the invention of the global positioning system and the invention and production of the first all-electric car; the invention of barcode technology; and the first experimental evidence of the Big Bang theory ... just to name a few. Let us add to the list that in 2020; multiple vaccines were created to inoculate the world’s population and shut down the spread of COVID-19. These vaccines were created and tested in less than a year, while previous vaccines required more than a decade before they were available to the public. This was all possible because of the collaborative efforts of scientists and researchers all over the world working with “mRNA” platforms to be able to deliver these much-needed vaccines to the globe. What discoveries will be made in the next 60 years that our students could be a part of? The Big Ideas of some create Infinite Possibilities for other!

This year, our students were well prepared to present their projects at the beginning of March. The BASEF organizing committee enhanced the online registration and judging systems that were put in place for BASEF 2020 at the start of the pandemic period. The “on-line” awards ceremony has also been enhanced to better celebrate the hard work of students, showcase their projects, and recognize their efforts through awards and scholarships and the presentation of winners to further compete in the international and Canadian science fairs being offered this year in on-line formats.



We would also like to thank the 218 merit award and 107 special award judges who were able to judge online and sift through the project submissions. Did you know that each project was judged at least 4 times and with the addition of the special awards, there were over 1,000 online judging events that took place this year? Judges, thank you for sharing in our student's excitement and ensuring that this opportunity exists for them, especially during these times.

We are grateful for the essential support from our many community sponsors and benefactors, as well as supporters of special student awards that are designed to promote additional interest and participation in the Fair.

This year, BASEF is proud to announce a new Title Level sponsor:

- Primary Fluid Systems Inc. has sponsored BASEF at the Diamond level for many years and this year has taken on the role of Title Sponsor. Primary Fluid Systems Inc. is sponsoring the Grand Prize Awards for the top three projects in addition to the Merit Award Certificates that will be given to all Gold, Silver, and Bronze merit award winners.

Our two Diamond Level sponsors are key to the success of this year's Fair:

- ArcelorMittal Dofasco has sponsored BASEF for many years. As a strong community supporter, ArcelorMittal Dofasco continues to support BASEF financially as well as providing knowledgeable technical judges from their staff to assist with judging. ArcelorMittal Dofasco recognizes the importance of encouraging young people to pursue training and careers in STEM related activities.
- Mohawk College remains committed to hosting BASEF in its state-of-the-art David Braley Athletic and Recreation Centre. On behalf of the Organizing Committee, we extend a special thank you to Mohawk College and its staff and students, who are very generous with their time, resources, and enthusiastic support year after year. We hope to return to Mohawk in person in 2022!

Together with 55 additional sponsors and benefactors, and over 60 Special Awards donors, all of our tremendous sponsors make it possible for BASEF's students to showcase their innovations and discoveries and inspire young people to change the world through science, technology, engineering and mathematics.

This year the total value of merit awards, special awards, scholarships, and trip awards is \$225,000.

For many years now, BASEF has invited over 1,000 students from across our catchment area to join us at McIntyre Theater, Mohawk College to witness the marvelous demonstrations, the informative speakers, and the largest BOOM we are able to hold in the theatre, Activity Morning. Since we were unable to hold our annual in-person Activity Morning this year, BASEF created our Virtual Activity Week that featured Live presentations that are just not possible to be held in the theatre. We were also able create a video library of BASEF's Alumni in various

speaking engagements, and educational material from our various local scientific organizations that supports BASEF in many ways. This Library is always available for viewing purposes.

BASEF is a volunteer-driven registered charity. We acknowledge with many thanks, the huge efforts of this year's Organizing Committee members, 35 in total, who have dedicated countless hours toward making BASEF 2021 a success. Our thanks also to the volunteer Merit and Special Awards Judges, and to the more than 100 other volunteers who help run registration, safety, and other fair activities. The efforts of these volunteers in this pandemic year are exemplary and we as chairs wish to extend our special thanks to all involved. We are truly humbled and amazed at the extraordinary efforts our committee of volunteers put forth.

We would also like to thank all the parents. Thank you for sticking by your student and supporting every crazy idea that they had. Thank you for buying supplies, for talking them through their ideas, joining them while they collected data and edited their work - thank you for supporting them every step of the way, including helping to record their interview this year! Great camera work and technology skills!

Students make sure you express a great deal of gratitude to your teachers too. Because after your parents, your teachers are your biggest fans. They have invested a lot of their time and passion to instill a love and appreciation for science and technology. And last but not least, students, WE want to thank you! Thank you for choosing a topic that ignited your inner scientist, mathematician or engineer from within. We know it was difficult and a lot of hard work, but you persisted and showed resiliency by adapting your work to submit online. The completion of this project has helped build skills and habits that will undeniably lead you down the road to success in life.

Until next year's fair,

The image shows two handwritten signatures in black ink. The signature on the left is stylized and appears to be 'Dana Bee'. The signature on the right is more legible and appears to be 'Dan Bowman'.

Co-Chairs Dana Bee and Dan Bowman

ORGANIZING COMMITTEE

CO-CHAIRS

Dana Bee, Dan Bowman

FINANCE

Eleanor O'Flynn, C.P.A., C.A. (Treasurer),
Susan Olynyk

REGISTRAR

George Geczy (Chair),
Marc Trotta, Maria Trotta

JUDGE IN CHIEF

Donna Stack-Durward,
Assistants: George Geczy,
Dan Bowman

SCIENTIFIC REVIEW

Donna Stack-Durward (Judge in Chief),
Dan Bowman (Co-Chair),
George Geczy (Co-Chair),
Dana Bee (Co-Chair),
David Reed (Co-Chair),
Debbie Ciotti-Bowman RN,
Marc Trotta, Katie Brent,
Jasmyn Cunningham

SPECIAL AWARDS COORDINATION

Roslynne Crawford (Chair),
Jim Casey, Eleanor O'Flynn

CANADA-WIDE & INTERNATIONAL CHAPERONES

CWSF: Dan Bowman (Lead), George Geczy
IISF: Dana Bee (Lead)

BASEF BURSARY PROGRAM

Mark Mindorff (Chair),
Dan Bowman, Dana Bee,
Eleanor O'Flynn

SPONSOR REPRESENTATIVE

Sandy Walker

STUDENT ADVISORS

Maya Clapperton, Mitchell Clapperton,
Sabrina Mogus

FUNDRAISING

Sue Olynyk (Chair),
Mike McNally, Renato De Tina,
Paul Lakin

PHOTOGRAPHY & GRAPHICS

Wayne Bowdish

MARKETING AND PUBLICITY

Marc Trotta (Chair),
Roslynne Crawford, Mark Mindorff,
Wayne Bowdish

OUTREACH

Mark Mindorff (Chair),
Roslynne Crawford, George Geczy

AWARD CEREMONY

Gerard Chiasson, Erik Bercik

AWARD CEREMONY EMCEES

Cathy Hayman,
Chris Blackwood

ALUMNI PROGRAM

Denise Brennan-Rieder

ACTIVITY WEEK & VIRTUAL LIBRARY

Kevin Hunt (Chair),
Dana Bee, Roslynne Crawford,
Wayne Bowdish

DISTRICT SCHOOL BOARD ADVISORS

BHNCDSB: Jasmine Vorkapic
GEDSB: Charlene Clark
HCDSB: Bobby Crowe
HDSB: Ingrid Munson/Scully
HWCDNB: Evelin Niemiec
HWDSB: *Vacancy*
Six Nations (INAC): Alex Randall

INFORMATION SYSTEMS

Gerard Chiasson, George Geczy

MEMBERS AT LARGE

Varsha Jayasankar, Lu Wang,
Glen Whitwell, Michelle Lafontaine,
Jim Casey, Jasmyn Cunningham,
Paul Drakos, Janeta Zurakowski

SPONSORS AND BENEFACTORS

GENERAL FUNDING SPONSORS

TITLE \$25,000+

Primary Fluid Systems Inc

DIAMOND \$10,000 +

ArcelorMittal Dofasco

Platinum \$5,000 +

Enbridge

Hamilton & District Heavy Construction (HAND)
Association

McMaster University

Mohawk College

The Hamilton Spectator

Gold \$2,500 +

Imperial Oil

Interprovincial Corrosion Control

Masters Insurance (Hamilton)

Taylor Leibow Accountants & Advisors

Silver \$1,000 +

Bay Area Health Trust

Burlington Hydro

DENM Engineering

Halton District School Board

Hamilton-Wentworth Catholic DSB

Hamilton-Wentworth DSB

Hillfield Strathallan College

Interprovincial Corrosion Control Co

National Science & Engineering Research
Council (NSERC)

Ontario Power Generation

Posner Metals

Bronze \$500 +

CareGo

First Ontario

Halton Catholic DSB

Hamilton Amateur Astronomers

Hamilton Chamber of Commerce

Hamilton Community Awareness and
Emergency Response (CAER)

Hamilton Pakistani Physician Ass'n

Hamilton Police Retirees Association

Lanhack Consultants Inc.

Mantecon Partners

Nikola Tesla Education Corp

Optimist Club of Stoney Creek

PBX Investments

Rotary Club of Hamilton AM

STLE- Hamilton Chapter

WalterFedy

Friends \$250 +

Conservation Halton

Electrical Construction Association of Hamilton

HAALSA

NewAE Technology Inc.

Talkit.ca

BENEFACTORS*

Banting & Best Level \$1000 +

Mike and Sue McNally

Bondar Level \$500 +

Wayne Bowdish

Tom and Roslynne Crawford

George Geczy

Sue & Peter Olynky

Polanyi Level \$200 +

Helen Barton

Dan and Debbie Bowman

Steven and Kathy Brent

Renato and Enza DeTina

Steve & Cathy Hayman

Paul & Pam Lakin

Dr. Nicola Simmons

McGill Level \$50 +

Jim Casey

Linda Millar

* In addition to the donors listed, BASEF also has donors who wish to remain anonymous.

Note: Sponsors donating in-kind services help us provide an exceptional experience for BASEF participants. Key donations included: printing, newspaper advertising, accounting, and web hosting.

BASEF CHAMPION TEACHERS

The Champion Teacher Recognition Award recognizes science teachers who displays a remarkable ability to empower and excite student interest in science and who actively promotes the Bay Area Science & Engineering Fair.

The winner is selected by a panel of BASEF organizing committee members from among those nominated on-line by their peers, students and their parents. This year, we chose to recognize two teachers for their enthusiasm of science during the pandemic.

Students nominated each teacher and wrote how both Mr. Mifsud and Mr. Wensink encourage and support their students during classes and their science fair projects. They both inspire their students to be their best selves. Mr. Mifsud and Mr. Wensink's passion for teaching deserves recognition, as they have dedicated their life to teaching.

The Awards include induction into the BASEF Champion Teacher Hall of Fame, a plaque, and \$500 each for use in the classroom of the winning teacher.

Scott Mifsud



**John William Boich Public
School
Halton District School Board**



Nathan Wensink



**Calvin Christian School
Hamilton**

MERIT AWARD JUDGES

Comments from the Judge-In-Chief

BASEF was an online fair in 2021. Every effort was made to keep the judging consistent and comparable to previous years. We learned a lot about judging remotely. Judges did not have an opportunity to talk with the finalists, instead they relied on student produced videos and downloaded files.

I want to sincerely thank each of the merit judges and category chairs for their support and willingness to take on the challenges of this judging remotely.

I congratulate all the finalists for their outstanding projects, dedication to science fairs and ability to adapt and meet the challenges faced in 2021. You are all winners!

Donna Stack-Durward

BASEF Judge-In-Chief

Abdel-Kader, Mariam	McMaster University (Student)	Breznik, Richard	Retired
Abdin, Aatiqiha	Teacher Candidate at Brock University	Bromley, Marianne	Retired teacher
Abraham, Joel	McMaster University	Brown, David	Retired
Adams, Stephen	Mohawk College	Brunetti, Nathan	McMaster University (Ph.D. student)
Adli, Taranah	Student and working at McMaster University	Buhariwalla, Connor	McMaster University
Ahmed, Maisha	McMaster University	Calvert, Laura	McMaster University
Ainabe, Arielle	School	Cowbrough, Braeden	McMaster University
Anderson, Harold	Harold Anderson Electronics Limited (My company)	Croteau, Felix	Ph.D. Candidate - Hynes Lab - McMaster University
Andres, Sara	McMaster University	de Haan, Bob	Retired
Armstrong, Marie	McMaster University	Emilio De Tina	ArcelorMittal Dofasco
Arrabi, Amjad	Currently Unemployed	De Tina, Renato	Retired - ArcelorMittal Dofasco
Badzioch, Rachel	McMaster University (student)	DeJong, Erica	McMaster University - Medical Sciences Graduate Program
Beesley, Neil	Retired - Hamilton Water	Desnoyers, Robert	Safety Power Inc.
Bhardwaj, Lata	Realtor	Dhawan, Tushar	McMaster University
Binch, Rosie	Retired	DiValentino, Evan	Mohawk College
Binch, Stephen	Retired from the Hamilton Police Department	Dyer, Benjamin	University of Guelph (Masters Student)
Birch, Nigel	Alta Technology	Dyer, Charles	Sovereign Asset Management
Bortolus, Mark	McMaster - Inorganic Chemist University (Ph.D. Student)	Emun, Yoel	McMaster University
Bowen, David	Retired	Eshafi, Sarah	McMaster University (student)
Bowen, Lynda	Retired	Fantauzzi, Matt	McMaster University
Brennan-Rieder, Denise	Self employed	Fisher, David	Self Employed Consultant
Breznik, Jessica	School - Ph.D. studies at McMaster University	Forbes, James	Retired
		Forrest, Fraser	Retired

MERIT AWARD JUDGES continued

Galicia, Melissa	York University	Li, Harry	McMaster University
Garrett, Jim	retired	Lonz, Steve	Momentum Traffic Inc.
Haque, Bushra	McMaster University	Lukic, Jelena	Hamilton Health Sciences, Niagara College, Brock University, Sheridan College
Harris, Laura	Brock university (student)	Lusterio, Adrien	McMaster University
HARRISON, Eric	Retired	MacAulay, Miranda	Medical office Assistant
Hazelden, Linda	Previous Employment: Archdiocese of Toronto	Mahalec, Dr Jila	My own consulting
Hazelden, Mark	Brookfield Institute for Innovation + Entrepreneurship (Ryerson University)	Mahut, Caroline	McMaster University (student 3rd year Mechanical Engineering)
Hewson, Dr John R	Retired. Professor Emeritus, Dept of Anaesthesia, McMaster University	Maklad, Ahmed	McMaster University
Hill, Terry	Retired Hamilton Police Service	Martin, Paul	Retired Dofasco
Hol, Adrienne	Avenue Physiotherapy	Marzok, Art	McMaster University
Hollick, Marilyn	Retired	McCrory, Mitchell	University of Waterloo
Horzum, Meliha	McMaster University	McNamee, Simon	McMaster
Howlader, Raiyan	School	McNeill, Kestrel	McMaster University, Master's Student and Teaching Assistant
Hundal, Harbir	Kumon Math and Reading Centre (part-time); Attending Teachers College in Fall 20	Medeiros, Sarah	McMaster University
Ibrahim, Quazi Rafid	McMaster University (Technical Assistant)	Merali Juma, Aadil	McMaster University
Inglis, Julie	school	Metz, Edu	Qualcomm
Jacob, Ashwin	McMaster University	Mindorff, Mark	Darts
Jamkodjian, Cassandra	Alectra Utilities	Moayad, Lana	McMaster University
Jennings, Peter	Self Employed Inventor	Morin, Shane	Retired, Xerox
Jeyanathan, Vidhiya	McMaster University	Muhammed, Lateef	McMaster University
Jilek, Jana	Retired	Mulholland, Emma	McMaster University
Jobity, Christopher	school	Nair, Gayatri	McMaster university
Johnson, Warren	Retired	Nazal, Hana	McMaster University
Johnston, Bill	Semi-Retired	Newcombe, Peter	CANMETMaterials (materials research lab operating under Natural Resources Canada)
Jose, Tamina Angel	McMaster University	Niazi, Humaira	McMaster University
Kaspersetz, James	Ontario Environmental	Pa, Sidney	McMaster University
Kelly, Michael	Retired. Halton Cath Distr Schol Board	Patel, Vidhi	School
Kesavan, Sreedevi	McMaster University	Pfeiffer, Leanna	Hamilton Health Sciences, Juravinski site
Khaloo, Nalini	McMaster University - Second Year Life Sciences	Place, Dave	Retired - Hamilton Police Service
Killip, Shannon	McMaster	Pollinzi, Angela	McMaster University
Lasowski, Frances	McMaster University	Putman, Scott	IT Force
Lawlor, Daniel	City of Hamilton	Rachwalski, Kenneth	McMaster University
Leanage, Ramani	Retired	Ragulojan, Malavan	McMaster University, Micheal DeGroote School of Medicine

MERIT AWARD JUDGES continued

Reid,Carolynn	City of Hamilton - Economic Development	Sparring, Taylor	McMaster University (Ph.D. student)
Rekas, Adrianna	McMaster University	Speicher, David	McMaster University
Rikic, Ray	Retired Staff Sergeant in charge of Forensic Services of Hamilton Police Service	Spence, Tanya	Mohawk College (student Electrical Engineering Technology)
Rivera-Madrinan, Felipe	McMaster (student 4th year integrated science)	Stacey, Hannah	McMaster University
Ruiz Blanco, Nelson	Independent	Steffler, Matt	University of Guelph
Rutherford, Megan	McMaster University (graduate student)	Stewart, Mark	McMaster Innovation Park
Sadayappan, Kumar	Canmet MATERIALS, NRCAN	Sullivan, Tina	Ontario Equestrian
Saddik, Wessam	Brock University	Szczurek, Carolina	Occasional Teacher for the Halton Catholic District Schoolboard, Niagara District
Saini, Kanika	CIBC and Megamind Tutoring	Tai, Janice	McMaster University
Salami, Zainab	Student	Tarjan, Michael	Tarjan Management Inc.
Salemi, Louisa	Canadian Cancer Research Alliance, Canadian Partnership Against Cancer	Taylor, Shane	Graduate student
Salgado-Merlos, Erick	City of Hamilton	Themeles, Tom	Government
Sanguenza, Julia	Brock University	Thompson, Shawna	McMaster University
Schoenhardt, Mary Anne	Student	Thompson, Stephanie	Halton Catholic District School Board
Sciullo, Luana	Humber College	Timakova, Elena	McMaster University
Shaikh, Wardah	School	Todd, Erinn	Green Venture
Sharma, Neha	McMaster University (Graduate student)	Tran, Veronica	McMaster University
Sheils, Glenn	Purplebricks	Tuinema, Billie	Hamilton Health Sciences
Shenwang, Diana	Queen's University	Tywonek, Kasia	McMaster University
Shepard, Beverly	Retired. Worked in pharmacology lab, biochemistry lab; after a break for childr	Vidican, Razvan	Candu Energy Inc
Simmons, Ben	Retired, Risk Management Banking	Wang, Ethan	Maple Leaf Foods
Simpson, Mark	Retired, Brantford Power Inc., VP of Engineering and Operations	Wang, Lu	Retired from McMaster University
Singh, Jasrita	McMaster University	Wang, Peiyao	McMaster University
Sloboda, Deborah	McMaster University	Wehrle, Paul	Retired
Smith, Margot	Self employed	Wilson, Anne-Marie	Retired, high school science and math teacher with HWDSB at Westdale SS
Smith, Rebecca	ReproLabels	Wilson, John	Retired, Professor of Civil Engineering, McMaster University
		Wolfsgruber, Richard	Metrolinx
		Wood, David	FCA Canada - Etobicoke Casting Plant
		Wood, Jane	ArcelorMittal Dofasco

Artistically Inspired Display Awards

Cathy Hamilton, Cathy Hayman

Bay Area Health Trust Scholarship / Paul Lakin Life Sciences Award**Canadian Institute of Mining, Metallurgy and Petroleum (Hamilton Branch) Awards**

Shannon Clark

Canadian Nuclear Society (Golden Horseshoe Branch) Awards

Elizabeth MacConnachie, Garik Patterson

Chemical Institute of Canada - Hamilton Section Awards

Don Barclay, Tom Sutton, Dragan Vuckovic

Damani Award for Women in Biomedical Engineering

Dr. Minna Damani

Dr. M. Doyle Award**Environmental Inspiration Award**

Isabella O'Brien

Gowling WLG Innovation Awards

Emily Dies, Alex Ross

Hamilton Amateur Astronomers Award

Mario Carr, Chris Strejch, Bernie Venasse

Hamilton Pakistani Physicians Association

Tariq Aziz, Afia Aziz, Saba Iram, Naveeda Yasmeen

Hillfield Strathallan College Awards of Excellence**John W. Howard Materials Research Award**

Dr. Nicola Simmons

IEEE (Institute of Electrical and Electronic Engineers) Hamilton Section Awards

Boguslaw Bochenski, Leyden Martinez Fonte

Laurentian Chapter of SETAC Award

Wilson Lau, Elise Millar, Victoria Restivo

Mahut-Brent Award for Women in Science and Engineering

Katie Brent, Caroline Mahut

McMaster University Dept. of Chemical Engineering & Chemical Engineering Club

Ryan LaRue, Graham Van Every

McMaster University School of Geography and Earth Sciences Awards

Dr. Luc Bernier, Rebecca Moumblow,
Dr. Maureen Padden, Nicholas Randazzo

Mechanical Contractors Association Hamilton Niagara Award

Bill Patterson

New Health Scientist Award**Oakvillegreen Conservation Association Award for the Environment**

Karen Brock

Procor Engineering Awards

Eziaku Nri

Professional Engineers Ontario - Oakville Chapter Awards

Viet Le-The

Rotary Club of Hamilton-East Wentworth Awards**Society of Tribologists & Lubrication Engineers - Hamilton Section Awards**

Richard Schrama, Mr. Navdeep Swach

Talkit.ca Computer Engineering Awards**University of Ottawa Admission Scholarship****BASEF Inspiration Student Awards****Canada-Wide Science Fair Trip Awards**

STUDENT EXHIBITORS

Aiaydeh, Haroun

Heart-Restart

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Al- Rammahi, Zainab

M.A.R. (Mobile Autonomous Robot) - The Device to Detect Flammable Gasses

Intermediate 9/10, Eng & Comp Sci
Ancaster High, HWDSB

Ali, Iman

Deterring Cyberbullying With Bots

Junior 7/8, Eng & Comp Sci
Sam Sherratt Public School, HDSB

Anton, Stevon

StudentSafe - Student Help Device

Intermediate 9/10, Eng & Comp Sci
Burlington Central High School, HDSB

Araya, Zacharaya

Einstein's Theory of Relativity: Proved and Simplified

Junior 7/8, Phys & Math Sci
Forest Trail Public School, HDSB

Armstrong, Ava

Hand Warming Gloves

Junior 7/8, Phys & Math Sci
Rolling Meadows Public School, HDSB

Aruelo, Miguel

Machine Learning

Junior 7/8, Eng & Comp Sci
, HCDSB

Aswani, Dhruv

Commercial vs. Home-made Snow-Melting Agents and How They Affect Plants and Soil

Junior 7/8, Earth & Env Sci
, HDSB

Awobodu, Dabira

Ice In My Veins

Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Awobokun, Tiseyi

Safety on Our Roads

Junior 7/8, Eng & Comp Sci
Oakville Christian School, IND

Ayibiowu, Tami

Does this Make Sense?

Junior 7/8, Phys & Math Sci
Oakville Christian School, IND

Balogun, Bella

NLP: Learn the Language of the Subconscious Mind

Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Barbera, Becca

Diffusion Mechanism of Pu+3 in Sedimentary Repository Conditions: Ab Initio Molecular Dynamics Study

Senior 11/12, Earth & Env Sci
Cathedral High School, HWCD

Bashta, Monique

A Prescription for Success

Junior 7/8, Biotechnology
Oakville Christian School, IND

Bevan, Adam

Making and Purifying Sodium

Junior 7/8, Phys & Math Sci
Calvin Christian School (Hamilton), IND

Bianchi, Sophia

Project Potato: Using Acetone Solvent Extraction to Find Invisible Fats in Different Kinds of Chips

Junior 7/8, Phys & Math Sci
, HWCD

Bilbao-Sanchez, Emily

MUSIC AND MEMORY - Does Electronic Music Stimulate the Memory?

Junior 7/8, Health Sciences Human
Calvin Christian School (Hamilton), IND

Bourenane, Yassine

Using Body Heat to Generate Electricity

Junior 7/8, Phys & Math Sci
Ancaster Senior, HWDSB

Bowles, Brian

Ice B Gone 3000

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Bradley, Nathaniel

What is the Optimal Ice Shape

Junior 7/8, Phys & Math Sci, HCDSB

Bresnahan, Rachel

Sleeping For Success - What Are The Benefits of Having a Sleep Schedule?

Junior 7/8, Health Sciences Human
Aldershot Elementary, HDSB

Capalbo, Matteo

How do the Different Types of Explosives Function?

Junior 7/8, Phys & Math Sci
Our Lady of Victory Elementary School, HCDSB

Carne, Sophie

Go Away Critter

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Chambers, Lauren

Are All Soaps Created Equal?

Junior 7/8, Life Sciences Non-Human
Oakville Christian School, IND

Charters, Dalton

The Effects Of Distractions While Driving

Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Chen, Echo

Aerodynamic Performance and Structural Engineering of Helicopter Seeds for Wind Turbines (HeliSpin)

Senior 11/12, Eng & Comp Sci
Garth Webb Secondary School, HDSB

Chen, Jessica

Fair Access to COVID-19 Vaccines: A Public Health Issue

Intermediate 9/10, Health Sciences Human
Westmount Secondary School, HWDSB

Chzhen, Maria

How Do Sleep Positions Affect Dreams In Teenagers?

Intermediate 9/10, Health Sciences Human
Westdale Secondary School, HWDSB

Clapperton, Mitchell

Reducing Wakes to Save Our Lakes - Optimizing Hull Design Using Computational Fluid Dynamics

Intermediate 9/10, Eng & Comp Sci
Westdale Secondary School, HWDSB

Colatosti, Jacob

I'll Do It Later

Senior 11/12, Health Sciences Human
Bishop Ryan Secondary School, HWCD

Colyn, Rachel

What is the most efficient way to move cargo on a train?

Junior 7/8, Phys & Math Sci
Calvin Christian School (Hamilton), IND

Damad, Amytis

How we can use the knowledge we have on sleep patterns and behaviours to our personal benefit

Intermediate 9/10, Health Sciences Human
Oakville Trafalgar High School, HDSB

De Souza, Isadora

Is Your House Really Cleaner Than Public Places?

Junior 7/8, Life Sciences Non-Human
St. Andrew Elementary School, HCDSB

Deng, Kevin

The Hidden and Untold Secrets of Masks

Intermediate 9/10, Life Sciences Non-Human
Oakville Trafalgar High School, HDSB

Di Carlo, London

NLP: Learn the Language of the Subconscious Mind

Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Di Lauro, Madelyn

Let it Rise

Junior 7/8, Life Sciences Non-Human
Oakville Christian School, IND

Dias, Rachel

Let it Rise

Junior 7/8, Life Sciences Non-Human
Oakville Christian School, IND

Donohoe, Rylan

Microwave Irradiation with Submerged Ultrasonication: A Novel Lignocellulosic Pretreatment Method

Senior 11/12, Biotechnology
St. Ignatius of Loyola Secondary School, HCDSB

Dorricott, Lauren

Reading Retention: Screens vs Paper
Junior 7/8, Health Sciences Human
Calvin Christian School (Hamilton), IND

Doyle, Alexander

Tommy John Surgery: The UCL
Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Duarte, Noah

H2O Log: How much water do you need?
Intermediate 9/10, Eng & Comp Sci
Bishop P. F. Reding Secondary School, HCDSB

Ercan, Devin

The Automatic Self Deploying Cushion
Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Feltmate, Adam

*The Life and Death of Our Evolutionary
Ancestor and Why Homo sapiens Survived*
Intermediate 9/10, Health Sciences Human
Oakville Trafalgar High School, HDSB

Fergani, Sarah

*Comparing Water Electrolysis to Water + Salt
Electrolysis*
Junior 7/8, Phys & Math Sci
Ancaster Senior, HWDSB

Gannett, Jackson

How Far Can It Hit?
Junior 7/8, Phys & Math Sci
Oakville Christian School, IND

Gatotos, Sarah

PupFit Tracker
Junior 7/8, Eng & Comp Sci
, HDSB

Ghode, Aahan

Ultrasonic Car Sensor
Junior 7/8, Eng & Comp Sci
W. H. Morden Public School, HDSB

Grange, Justin

*How will our mental health impact the
workforce in the future?*
Junior 7/8, Health Sciences Human
Our Lady of Victory Elementary School, HCDSB

Gupta, Neha

*Microfluidic C. elegans electrotaxis procedure
towards the detection of heavy metal
residue in water*
Senior 11/12, Earth & Env Sci
Westdale Secondary School, HWDSB

Hacala, Kendall

*How does the Proximity of Heat Affect
Acrylamide Formation in the Maillard
Reaction?*
Senior 11/12, Phys & Math Sci
King's Christian Collegiate, IND

Hagen, Jaeda

Does IT Affect Dreaming
Junior 7/8, Health Sciences Human
Calvin Christian School (Hamilton), IND

Haider, Ali

*Using CRISPR to Diagnose and be used for
Therapeutic Purposes for COVID-19*
Senior 11/12, Biotechnology
Hillfield Strathallan College, IND

Halim, Samantha

To Clean or Not To Clean
Junior 7/8, Life Sciences Non-Human
Oakville Christian School, IND

Hanna, Monica

Lefty Hefty, Righty Mighty!
Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Hans, Gurleen

*A [Genetic] Erratum! Will It Cause A Genetic
Disease... Or Not?*
Intermediate 9/10, Health Sciences Human
Brantford Collegiate Institute and Vocational
School, GEDSB

Hans (Han), Elaine (Dora)

*Reducing Tolerance to Hydromorphone by
Inhibiting the Release of Cytokines*
Junior 7/8, Biotechnology
, HDSB

Harrison, Amy

The Future of Xenotransplantation
Senior 11/12, Biotechnology
King's Christian Collegiate, IND

Herbert, Chloe

The Dark Knight

Junior 7/8, Health Sciences Human

John William Boich Public School, HDSB

Huang, Caroline

*Predicting Mechanisms of Flood Vulnerability
for Southeast Asia using Statistical
Percolation Theory*

Intermediate 9/10, Earth & Env Sci

Abbey Park High School, HDSB

Igwe, Sarah

*Atmospheric water generator backpack
(AWGB)*

Junior 7/8, Eng & Comp Sci

Calvin Christian School (Hamilton), IND

Irwin, Ava

Task Time

Junior 7/8, Eng & Comp Sci

Rolling Meadows Public School, HDSB

Jain, Harshit

*Thermoelectric, Gallium Nitride, Fast
Charging, Portable Charger*

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Jim, Yuba

*Project Potato: Using Acetone Solvent
Extraction to Find Invisible Fats in Different
Kinds of Chips*

Junior 7/8, Phys & Math Sci

, HWCD

Johal, Angad

The Thermoelectric Heated Glove

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Johnson, Katelyn

IS CO₂ AFFECTING YOU?

Intermediate 9/10, Health Sciences Human

Westdale Secondary School, HWDSB

Karas, Jasmine

For This Valve I Cannot Change

Junior 7/8, Health Sciences Human

Oakville Christian School, IND

Karthik, Harini

*Aerodynamic Performance and Structural
Engineering of Helicopter Seeds for Wind
Turbines (HeliSpin)*

Senior 11/12, Eng & Comp Sci

Garth Webb Secondary School, HDSB

Kaul, Ruby

The Future Of Learning

Junior 7/8, Health Sciences Human

Aldershot Elementary, HDSB

Keenan, Alexander

Sleep Tight

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Kelder, Andrew

Bye-Bye, Bacteria!

Junior 7/8, Life Sciences Non-Human

Oakville Christian School, IND

Klinck, Jeffrey

*A Novel Innovation to Aid People with
Deafness via Haptic Feedback Relative to
Surroundings*

Intermediate 9/10, Eng & Comp Sci

Oakville Trafalgar High School, HDSB

Konynenbelt, Maxim

*Quantum Computing how it works how it
helps and how we can use it*

Junior 7/8, Eng & Comp Sci

Oakville Christian School, IND

Lafarge, Melia

A Close Look At Mendelian Genetics

Junior 7/8, Health Sciences Human

St. Luke, HWCD

Lamont, Bridget

The Truth Behind Organic and Artificial

Junior 7/8, Earth & Env Sci

Oakville Christian School, IND

Lang, Genevieve

The Future Of Learning

Junior 7/8, Health Sciences Human

Aldershot Elementary, HDSB

LeBlanc, Maya

Evaluation of Fabrics to Determine Aerosol Filtration Performance for an Improved Covid-19 Mask

Junior 7/8, Biotechnology
Oakville Christian School, IND

Lee, Paul (Kyum)

Development of a 3d Cursor for Robotic arm Programming Optimization

Intermediate 9/10, Eng & Comp Sci
Westdale Secondary School, HWDSB

Lee, Youngjae

Exploration report about the CRISPR-Cas9 and the genome editing

Senior 11/12, Health Sciences Human
Ancaster High, HWDSB

Lee, Yuna

Divulging into Schizophrenic Treatments: How Standardized Treatments Compare to CRISPR-Cas9

Intermediate 9/10, Health Sciences Human
Oakville Trafalgar High School, HDSB

Li, Derrick

How to maximize one's sleep efficiency

Senior 11/12, Health Sciences Human
Garth Webb Secondary School, HDSB

Li, Neng

Using Artificial Intelligence to Detect Unsafe Driving in Vehicles

Junior 7/8, Eng & Comp Sci
, HCDSB

Low, Louis

Does Annoying Repetitive Sound Have an Influence on Training Effectiveness?

Junior 7/8, Health Sciences Human
Canadian Martyrs Elementary School, HCDSB

Lyons, Brendan

How Far Can It Hit?

Junior 7/8, Phys & Math Sci
Oakville Christian School, IND

Maccarrone, Max

Blown Away!

Junior 7/8, Phys & Math Sci
Oakville Christian School, IND

Maccarrone, Zara

Fishing For Answers on Climate Change

Junior 7/8, Earth & Env Sci
Oakville Christian School, IND

Makada, Safiya

Improving the understanding and tracking for treatment of auto-immune diseases: One Stop Autoimmune

Intermediate 9/10, Eng & Comp Sci
Hillfield Strathallan College, IND

Mao, Teddy

Tuning Out Covid-19

Junior 7/8, Biotechnology
Oakville Christian School, IND

Marem, Rohanth

Water Quality Sensor

Junior 7/8, Eng & Comp Sci
, HDSB

Mastrolonardo, Arianna

Determining the Knowledge, Attitudes, and Practices of Adolescents to the COVID-19 Pandemic

Senior 11/12, Health Sciences Human
King's Christian Collegiate, IND

Matic, Ana

Reuse-a-Bag

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Mayorov, Dmitry

Ice B Gone 3000

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

McCourt, Morgan

Maskeria: Determining wearing time & bacterial contamination of masks with & without toothbrushing

Junior 7/8, Life Sciences Non-Human
Oakville Christian School, IND

McIntyer, Grace

Task Time

Junior 7/8, Eng & Comp Sci
Rolling Meadows Public School, HDSB

McKenzie, Heather

How Participation in Virtual School is Affecting Quality and Quantity of Sleep in Elementary Students

Junior 7/8, Health Sciences Human
Charles R. Beaudoin Public School, HDSB

Medeiros, Breanna

Go Away Critter

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Mehr, Ariana

Deterring Cyberbullying With Bots

Junior 7/8, Eng & Comp Sci
Sam Sherratt Public School, HDSB

Mehta, Kavan

The Effects of Covid-19 on the Mental and Physical Health of Students and Teachers

Senior 11/12, Health Sciences Human
King's Christian Collegiate, IND

Meng, David

Global increase in food allergies – Are GMOs to blame?

Junior 7/8, Health Sciences Human
Pilgrim Wood Public School, HDSB

Milani, Lucas

Can eyes taste?

Junior 7/8, Health Sciences Human
St. Andrew Elementary School, HCDSB

Misquitta, William

Can Nuclear Energy Solve the Climate Crisis

Junior 7/8, Earth & Env Sci
St. Andrew Elementary School, HCDSB

Mogus, Sabrina

ViQ: A Wearable Sonic Vibrotactile Stimulation and Cueing Device for Individuals with Parkinson's

Senior 11/12, Eng & Comp Sci
Garth Webb Secondary School, HDSB

Nagasaki, Kibo

Hidden Facts behind COVID-19

Junior 7/8, Health Sciences Human
Oakville Christian School, IND

Naik, Jaya

Light Generating Thermoelectric Glove to Improve Athlete Safety and Reduce Battery Waste

Junior 7/8, Eng & Comp Sci
W. H. Morden Public School, HDSB

Ngoh, Atou

Does music help with our daily activities

Junior 7/8, Health Sciences Human
Our Lady of Victory Elementary School, HCDSB

Ninos, Daria

Do Grounded Aircrafts Impact The Temperature?

Senior 11/12, Earth & Env Sci
Oakville Trafalgar High School, HDSB

Ninos, Katherine

Do Grounded Aircrafts Impact The Temperature?

Senior 11/12, Earth & Env Sci
Oakville Trafalgar High School, HDSB

Olawunmi, Demilade

Blown Away!

Junior 7/8, Phys & Math Sci
Oakville Christian School, IND

Pacifici, Nicholas

'Head on a Swivel': Mimicking Concussion and Whiplash Mechanism of Injury

Junior 7/8, Health Sciences Human
St. Bernadette, HWCD

Pamplin, Benjamin

What Soap Works Best for Hand Washing

Junior 7/8, Life Sciences Non-Human
Calvin Christian School (Hamilton), IND

Park, Siwon

How to maximize one's sleep efficiency

Senior 11/12, Health Sciences Human
Garth Webb Secondary School, HDSB

Perez, Vanessa

How Can We Remember Our Dreams?

Junior 7/8, Health Sciences Human
, HCDSB

Ponnambalam, Kadhira

*Investigation of the Efficiency of Water Vapor
Collection from Air of Various Household
Materials*

Junior 7/8, Phys & Math Sci
Hillfield Strathallan College, IND

Powell, Samantha

The Super Spin Shield

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Quan, Kaylee

PupFit Tracker

Junior 7/8, Eng & Comp Sci
, HDSB

Racean, Diane

*Understanding Decisions Through Behavioral
Economics*

Junior 7/8, Health Sciences Human
St. Andrew Elementary School, HCDSB

Rathod, Anish

The Turtle Bot

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Read, Jake

*A New 'App'roach to Enhance Learning and
Improve Safety with Driving*

Senior 11/12, Eng & Comp Sci
Paris District High School, GEDSB

Renaud, Chantel

The Bag Investigation

Junior 7/8, Earth & Env Sci
John William Boich Public School, HDSB

Ruggiero, Daschel

*Thermoelectric, Gallium Nitride, Fast
Charging, Portable Charger*

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Salimi, Hamna

*Using Influenza Vaccine Data to Predict
COVID-19 Trends*

Intermediate 9/10, Health Sciences Human
Garth Webb Secondary School, HDSB

Salimi, Rida

Why Aren't All Medicines Effective as Pills?

Junior 7/8, Biotechnology
Emily Carr Public School, HDSB

Saturnino, Anthony

*AS2021M: Non-Medical Electronic Covid-19
Face Mask*

Intermediate 9/10, Eng & Comp Sci
Bishop Ryan Secondary School, HWCD

Saturnino, Joseph

*FS-HIVE MRK 9: An Autonomous Swarm
Robotics Fire Suppression System*

Senior 11/12, Eng & Comp Sci
Bishop Ryan Secondary School, HWCD

Selvakkumaran, Solai

An Electromagnetic Health Crisis

Junior 7/8, Life Sciences Non-Human
, HDSB

Seymour, Julia

*Microwave Irradiation with Submerged
Ultrasonication: A Novel Lignocellulosic
Pretreatment Method*

Senior 11/12, Biotechnology
St. Ignatius of Loyola Secondary School, HCDSB

Shvetsov, Evan

*Has the COVID-19 Pandemic's Restrictions
Affected the Anxiety of Adolescents?*

Intermediate 9/10, Health Sciences Human
Oakville Trafalgar High School, HDSB

Singh, Satyam

*The Low-Cost Digital Stethoscope: A Novel
Approach to Remote Examination amidst
the COVID19 Pandemic*

Senior 11/12, Eng & Comp Sci
King's Christian Collegiate, IND

Sommerville, Ailsa

Reuse-a-Bag

Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

Soni, Ruhan

Hamilton Waste Plastics to Make Steel

Intermediate 9/10, Eng & Comp Sci
Hillfield Strathallan College, IND

Speelman, Joshua

Under Pressure

Junior 7/8, Phys & Math Sci

Calvin Christian School (Hamilton), IND

St-Amand, Danielle

The Rewater System

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Stephan, Oceana

The Truth Behind Organic and Artificial

Junior 7/8, Earth & Env Sci

Oakville Christian School, IND

Stey, Lily

Eco Polyethylene

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Stoisor, Andrea

Sustainable Plastic

Junior 7/8, Phys & Math Sci

John William Boich Public School, HDSB

Stulikov, Damon

The Rewater System

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Su, Sienna

Reducing Tolerance to Hydromorphone by Inhibiting the Release of Cytokines

Junior 7/8, Biotechnology

, HDSB

Szymala, Weronika

A Close Look At Mendelian Genetics

Junior 7/8, Health Sciences Human

St. Luke, HWCD

Takei, Edson

Machine learning for the identification of patterns in epidemiologic data of Multiple Sclerosis

Senior 11/12, Eng & Comp Sci

Abbey Park High School, HDSB

Tessarolo, Aubrey

Canine Brain Wags

Junior 7/8, Life Sciences Non-Human

, HDSB

Turk, Keira

Noisy Fungi

Junior 7/8, Earth & Env Sci

St. Andrew Elementary School, HCDSB

Vanderwal, Violet

Let's 'solvent' this mystery

Junior 7/8, Phys & Math Sci

Dundas Central Public, HWDSB

Vashishtha, Vihaan

Can we grow plants on Mars?

Junior 7/8, Earth & Env Sci

W. H. Morden Public School, HDSB

Voortman, Laene

Paper Additives

Junior 7/8, Phys & Math Sci

Calvin Christian School (Hamilton), IND

Wang, Brenton

Angry Birds and Kinematic Physics

Junior 7/8, Phys & Math Sci

St. Andrew Elementary School, HCDSB

Wang, Jessie

Your Loss

Junior 7/8, Biotechnology

W. H. Morden Public School, HDSB

Wang, Renny

How Do Sleep Positions Affect Dreams In Teenagers?

Intermediate 9/10, Health Sciences Human

Westdale Secondary School, HWDSB

Waseem, Fariba

Eco Polyethylene

Junior 7/8, Eng & Comp Sci

John William Boich Public School, HDSB

Watson, Emma

Sleeping For Success - What Are The Benefits of Having a Sleep Schedule?

Junior 7/8, Health Sciences Human

Aldershot Elementary, HDSB

Widyalankara, Vidu

Smart Hard Hat (SHH)

Junior 7/8, Eng & Comp Sci

, HDSB

Xu, Raphael

The Future of Horticulture
Intermediate 9/10, Biotechnology
Oakville Trafalgar High School, HDSB

Yang, Shirley

BPS-(bullet proof schools)
Junior 7/8, Eng & Comp Sci
St. Andrew Elementary School, HCDSB

Yao, Kathy

*Breast Cancer Prediction using Binary
Classification Machine Learning with
Python*
Intermediate 9/10, Eng & Comp Sci
Oakville Trafalgar High School, HDSB

Yin, Brian

Intelligent Street Light Network
Junior 7/8, Eng & Comp Sci
St. Andrew Elementary School, HCDSB

Yong, Nahyun

*Divulging into Schizophrenic Treatments: How
Standardized Treatments Compare to
CRISPR-Cas9*
Intermediate 9/10, Health Sciences Human
Oakville Trafalgar High School, HDSB

Yoo, Ryan

The Turtle Bot
Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

You, Gavin

*The Dimensions of Wind: How Blade Ratios
Affect Wind Turbine Efficiency*
Junior 7/8, Phys & Math Sci
, HDSB

Yuan, Yoyo

*Fair Access to COVID-19 Vaccines: A Public
Health Issue*
Intermediate 9/10, Health Sciences Human
Hillfield Strathallan College, IND

Zantingh, Megan

*Practice, practice, practice dose it really lead
to perfection?*
Junior 7/8, Health Sciences Human
Calvin Christian School (Hamilton), IND

Zhang, Hongli

Solar storms and how they impact us
Junior 7/8, Earth & Env Sci
, HDSB

Zhang, Kaylee

Soapy Bites
Intermediate 9/10, Biotechnology
Westdale Secondary School, HWDSB

Zhang, Kenneth

*Anomaly Detection and Advanced Time Series
Forecasting for Cortical Moderation of ALS
Patients*
Senior 11/12, Eng & Comp Sci
Ancaster High, HWDSB

Zheng, Sky

The Automatic Self Deploying Cushion
Junior 7/8, Eng & Comp Sci
John William Boich Public School, HDSB

SPECIAL AWARDS

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

Artistically Inspired Display Awards

Two awards for \$50 for projects with the most artistically inspired display

Association for Iron & Steel Technology Northern Chapter Awards

Two awards of \$100 for outstanding projects related to metallurgy, materials science, or engineering

Bay Area Health Trust Award

The Paul Lakin/Bay Area Health Trust, Life Sciences Award

A \$1500 McMaster Scholarship awarded to a senior (grade 11 or 12) student (for a pair project, split between 2 students) for an outstanding project demonstrating innovation and scientific excellence in the Life Sciences. Award to be redeemed upon acceptance and registration into any undergraduate program at McMaster University, Hamilton, ON.

Dr. Laura Blew Social Sciences Awards

Two awards of \$50 for the best two Social Science based Projects

Canadian Institute of Mining, Metallurgy and Petroleum (Hamilton Branch) Awards

Two awards of \$100 for outstanding projects relating to mining, metallurgy and petroleum

Canadian Meteorological and Oceanographic Society

An award of \$150 for the best project at any level in Meteorological and/or Oceanographic Sciences. This includes projects in weather, air quality, climate, climate changes and/or the oceans.

Canadian Nuclear Society (Golden Horseshoe Branch) Awards

Two awards of \$125 for intermediate or senior projects and two awards of \$75 for junior projects relating to nuclear science and engineering, energy research or climate sciences

Chairman's Award

A project that exhibits good scientific, engineering or mathematical thought, but did not receive a merit award or any special awards.

Chemical Institute of Canada- Hamilton Section Awards

Three awards of \$100 for the best projects related to chemistry, chemical engineering, or chemical technology

Conservation Halton Awards

Two awards of \$100 to projects that contribute to environmental research, protection, conservation, restoration or awareness by Halton students

Damani Award for Women in Biomedical Engineering

One award of \$100 for a female student that demonstrates an excellent application of knowledge in engineering, biology and medicine for healthcare. Also, the creative integration of a variety of engineering disciplines with the biomedical sciences for healthcare.

Doris Casey and Gwen Nicolls Disability Solutions Awards

Two awards of \$100 for projects showing the most innovative and creative technical solution focused on assisting individuals to overcome physical or cognitive disabilities

SPECIAL AWARDS (continued)

Dr. M. Doyle Biology Award

\$250, plus a plaque and a trophy to the winner's school for the best Biology project

Electrical Construction Association of Hamilton Award

Two awards of \$250 for projects displaying the best and safest use of electricity in the most creative manner

Environmental Inspiration Award

One award of \$250 for the best environmental project that addresses an environmental problem in an inspirational/innovative way.

Farncombe Family Digestive Health Research Institute

For projects that explore digestive health, related disease, general nutrition or the human microbiome in health or disease through experimentation or in-depth literature will be eligible

Farncombe Family Digestive Health Research Institute Grand Award

One award of \$750 plus a 4-week summer internship in a research lab in the Farncombe Institute at McMaster University, Hamilton, ON. The winner(s) will select from a summary of potential projects provided by the Farncombe research groups (although the winner(s) may propose a project in consultation with a research lab). Pair projects will be eligible and it is expected that they would do the internship together and split the monetary award (\$375 each).

Farncombe Family Digestive Health Research Awards

Two Awards of \$250 each

Gowling WLG Innovation Awards

Runner-up

An award of \$200 for the runner-up for an excellent project demonstrating potentially patentable subject matter

Grand Winner

An award of \$300 and a complimentary one-hour consultation with a patent or trademark agent at the Gowling WLG Hamilton Office for the best project demonstrating potentially patentable subject matter

Hamilton Academy of Dentistry Awards

Three awards of \$250 (first), \$150 (second) and \$100 (third) for Intermediate or Senior projects related to dentistry or the delivery of dentistry

Hamilton Chamber of Commerce Innovation Awards

Three awards of \$250 (first), \$150 (second) and \$100 (third) for the most deserving projects by students from Hamilton with potential commercial applications focused on improving our local environment, communities or quality of life.

Hamilton Pakistani Physicians Association Awards

Three awards of \$250 (First), \$150 (Second), and \$100 (Third) for projects (any level) that demonstrate personal initiative and present an innovative solution.

Hamilton Wentworth Occasional Teacher Awards

Environment & Education Award

One award of \$50 for a Junior project that effectively educates others about an environmental issue

SPECIAL AWARDS (continued)

Healthy Lifestyles Award

One award of \$50 for a Junior project that most effectively educates others regarding the role of nutrition and/or exercise in maintaining a healthy lifestyle

Presentation & Aesthetics Award

One award of \$50 for a Junior project that demonstrates a high level of visual appeal, creativity, and overall quality of presentation

Hillfield Strathallan College Awards of Excellence

Life Sciences Award

One award of \$100 for a junior project that best displays excellence in life sciences

Physical Sciences Award

One award of \$100 for an intermediate project that best demonstrates an understanding of the scientific process in the physical sciences

Innovation Award

One award of \$100 for a senior project that best displays innovation related to environmental sciences or biotechnology

Hillfield Strathallan College Entrance Scholarship Award

One award of a \$5000 entrance scholarship towards tuition fees to a grade 8 or intermediate project

John W. Howard Materials Research Award

One award of \$100 for a project demonstrating innovation in engineering materials

IEEE (Institute of Electrical and Electronic Engineers) Hamilton Section Awards

Two awards of \$100 for projects showing the best use of Electronics in a Science or Engineering project

Indigenous Peoples of Canada Scientific Study Awards

Three awards of \$140 (first), \$80 (second) and \$80 (third) for projects that demonstrate the application of established scientific methods to topics relevant to the culture, heritage or issues of the indigenous peoples of Canada

International Science & Engineering Affiliated Fair Awards

Prize: Certificates &, letters

American Meteorological Society

For 2 projects in the areas of atmospheric, and related oceanic and hydrologic sciences

American Psychological Association

Creative scientific endeavour in the areas of atmospheric and related oceanic and hydrologic sciences

ASM Materials Education Foundation Award

The best materials engineering project

Association for Women Geoscientists

A project by a female(s) exemplifying high standards of innovation and scientific excellence in the geosciences

Intel Excellence in Computer Science

US\$200 for the best intermediate or senior project in computer science

SPECIAL AWARDS (continued)

MU Alpha Theta

Most challenging, original, thorough and creative investigation of a problem involving mathematics

Ricoh USA, Inc.

Outstanding project that addresses issues of environmental responsibility and sustainable development

Society for In Vitro Biology

An outstanding grade 11 project in the areas of in vitro biology or tissue culture

U.S. Agency for International Development (USAID)

Science Champion Award: The most outstanding project to solve an important global development challenge. Prize also includes a Social Media Kit

Yale Science & Engineering Association

An outstanding grade 11 project in Computer Science, Engineering, Physics or Chemistry. Prize includes a medallion & a certificate

Laurentian Chapter of SETAC Award

Two awards of \$100 for the best projects and presentations on a topic related to environmental toxicology, chemistry, pollution, contamination, remediation or environmental protection

Dr. Colin J.L. Lock Memorial Chemistry Award

One award of \$100 for a project demonstrating the best application of chemistry

Mahut-Brent Award for Women in Science and Engineering

Awarded for an outstanding project by a female student that demonstrates an excellent application of scientific thought and creativity towards a subject matter that the participant is passionate about. Prize is \$100, a giant microbe and a certificate.

McMaster University Awards

Department of Chemistry and Chemical Biology Award

One award for \$100 for an outstanding senior or intermediate project connected to chemistry or chemical biology

Department of Chemical Engineering & Chemical Engineering Club

One award of \$250 for an outstanding intermediate or senior project demonstrating aspects of chemical engineering

Department of Materials Science and Engineering

Three awards of \$100 and a trophy, one at each level, to projects displaying the best innovative use, design, or testing of materials.

Faculty of Engineering Entrance Awards

Five awards of a \$1,000 entrance scholarship for projects demonstrating excellence in Science or Engineering research, to be redeemed upon acceptance of admission to either of the Faculties of Science or Engineering

School of Geography and Earth Sciences Awards

Earth or Environmental Science Award

An Award of \$100, for an outstanding project in earth or environmental science

SPECIAL AWARDS (continued)

Geography or Social Science Award

An Award of \$100, for an outstanding project in geography or social science

Women in Engineering Entrance Awards

Two awards of a \$1,000 entrance award for projects led by female students that demonstrate excellence in health sciences, science or engineering, to be redeemed upon acceptance of admission to the Faculty of Engineering

Mechanical Contractors Association of Hamilton Award

One award of \$250 for the best engineering project, intermediate or senior level

Michael G. DeGroote Institute for Infectious Disease Research (IIDR) Awards

Grand Award

\$100 for the best senior student project in infectious disease, drug discovery or human health. This award also includes a one-hour consultation with Dr. Dawn Bowdish, of IIDR to discuss with the winner(s) and their families about science/university/careers. Also, an article about the winners and their projects will be published in the IIDR newsletter.

Research awards

Two awards of \$50 for excellent student projects in infectious disease, drug discovery or human health.

Nelson Steel Awards

Two awards of \$100 for outstanding junior projects related to two of the following fields: Steel, Environmental or Chemistry

New Health Scientist Awards

One award of \$50 for a worthy project at the Junior level showing good potential for improving the health of our community

Nikola Tesla Innovation Awards

Projects which 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.

Nicola Tesla Innovation Awards

One award each for Gold (\$250), Silver (\$150), & Bronze (\$100)

Nicola Tesla Honourable Mention Awards

Twenty (20) Honourable Mention Awards at \$50 each for projects with electricity as a key element

Oakvillegreen Conservation Association Award for the Environment

An award of \$100 for the project that best promotes environmental understanding and stewardship.

Primary Fluid Systems Awards

Twenty Awards of \$100 to outstanding projects in Earth and Environmental, Engineering or Physical Sciences categories.

Procor Engineering Awards

Three awards of \$150 (senior), \$100 (Intermediate) and \$50 (Junior) for an excellent Engineering project

SPECIAL AWARDS (continued)

Professional Engineers of Ontario-Hamilton/Burlington Chapter Awards

Three awards of \$250 (first), \$150 (second) and \$100 (third) for deserving, exceptional, outstanding projects in Engineering at any level.

Professional Engineers Ontario – Oakville Chapter Awards

Three awards of \$200 for deserving engineering projects, one at each level.

Rotary Club of Hamilton-East Wentworth Awards

Three awards of \$250 (first), \$150 (second) and \$100 (third) for the best three projects from schools situated in the Hamilton core and/or Red Zone areas displaying high academic achievement and striving to excel in science and technology.

Society of Tribologists & Lubrication Engineers – Hamilton Section Awards

Two awards of \$250 for projects that utilize the principles of tribology (friction, wear and lubrication) to solve a technical problem.

SPIE – The International Society for Optics & Photonics Awards

Three awards of US\$250 (first), US\$150 (second) and US\$100 (third) for projects in optics or photonics where students apply optics or photonics technology, techniques or principles to their projects. To be requested by the winners after the fair.

Talkit.ca Computer Engineering Awards

One award of \$100 (first) and one award of \$50 (second) for outstanding projects using computer electronics or software.

Ted Rogers Innovation Award – Rogers Communications Inc.

One award of \$100, a T-Shirt and a certificate for a project that best demonstrates commercial potential.

The Paul Lakin/Bay Area Health Trust, Life Sciences Award

A \$1500 McMaster Scholarship awarded to a senior (grade 11 or 12) student (or for a pairs project, split between 2 students) for a project demonstrating innovation in the Life Sciences. Award to be redeemed upon acceptance and registration into any undergraduate program at McMaster University.

The Research Institute at St. Joe's Hamilton, Health Research Awards

Two awards of \$100 at the intermediate level and two \$50 awards at the junior level for outstanding projects that use strong scientific principles in exploring or solving a problem related to human health issues and communicates the results of their project through an effective visual display.

University of Ottawa Admission Scholarship

One award of a \$1000 admission scholarship (or two \$500 scholarships for a pairs project) for a deserving Senior project.

Water Environment Association of Ontario Award

An award of \$100 for a project focused on innovative ideas for preserving and/or enhancing Ontario's water environment.

SCHOLARSHIPS & INTERNSHIP

SCHOLARSHIPS

McMaster University Faculty of Engineering Entrance Awards

Prize: Five \$1,000 tuition 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.

McMaster University Women in Engineering Entrance Awards

Prize: Two \$1,000 tuition awards, to be redeemed upon acceptance of admission to the Faculty of Engineering. (Pair projects will split the award).

Criteria: Projects led by female students that demonstrate excellence in Science, Technology, Engineering or Math.

University of Ottawa Entrance Scholarship

Prize: One \$1,000 entrance scholarship applied to tuition fees upon being accepted into and registered in an undergraduate program in the Faculties of Engineering or Science at the University of Ottawa. (Pair projects will split the award).

Criteria: The most deserving senior project.

Hillfield Strathallan College Entrance Scholarship Award

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 2019-20 academic year. (Will be awarded to both students in a pair project – maximum \$10,000 value).

Criteria: The best project demonstrating excellence in scientific learning with joy and purpose.

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 recipients' 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 BASEF2019 Merit Award Medals (Gold, Silver, Bronze) will win this scholarship.

INTERNSHIP

Michael G. DeGroote Institute for Infectious Disease Research Internship Award

Prize: A 6-week paid summer internship as a research assistant in a laboratory at the Michael G. DeGroote IIDR at McMaster University, valued at \$3,000. Two runner-ups will be identified and given a certificate.

Criteria: Best senior student project in infectious disease, drug discovery or human health.

BASEF INSPIRATION AWARDS

The “BASEF Inspiration Awards” generate interest and encourage participation in the Fair for both teachers and students.

BASEF Inspiration Student Awards

A minimum of 10 awards of \$500 each for top projects based on merit judging marks that win \$250 or less in other prizes and have not previously won a BASEF 500 or BASEF Inspiration award.

BASEF Inspiration Teacher Awards

Up to a maximum of 9 awards of \$500 each for teachers of schools new* to BASEF. The teacher must have two or more projects displayed and judged at BASEF. The award is to be used in the classroom at the winning teacher’s discretion. The cheque will be sent to the teacher after the BASEF Award ceremony.

* Schools that have not had projects in BASEF for at least 5 years.

MERIT AWARDS

Sponsored by Primary Fluid Systems Inc.

Merit Awards recognize the tremendous amount of thought and effort that has gone into the projects entered in the Bay Area Science and Engineering Fair. They are the result of an extensive judging process undertaken by over 175 independent judging volunteers who have come forward from educational institutions, local government organizations, business and industry in our regions. All participants in the Bay Area Science and Engineering Fair are eligible to win Merit Awards.

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

For Junior, Intermediate and Senior levels in:

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

Scoring: over 90% earns Gold medal and a cash award, over 80% earns Silver medal and a cash award, over 75% earns Bronze medal and a cash award.

GRAND PRIZE AWARDS

Winners of Grand Awards have designed, researched and presented excellent projects.

PINNACLE AWARDS

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

Best-in-Fair \$1,000, 2nd Best-in-Fair \$800, 3rd Best-in-Fair \$500

DRS. RANJAN SUR AND MONALISA SUR AWARD

Best Intermediate or Senior project at the fair, a plaque to the winner's school.

ROY MIDDLETON MEMORIAL AWARD

Best Junior project at the fair, a plaque to the winner's school.

BASEF COMMITTEE TROPHY

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

HERB GILDEA MEMORIAL TROPHY

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, Bronze and Honourable Mention Merit Awards. 75

GRAND PRIZE TRIP AWARDS

GRAND PRIZE TRIP AWARDS

INTEL INTERNATIONAL SCIENCE & ENGINEERING FAIR TRIP AWARDS

Advancement to the 2019 Intel International Science & Engineering Fair, to be held in Phoenix, Arizona from May 12 to 17, 2019. All trip expenses paid.

Up to 4 projects (depending on funding level) will be chosen from excellent exhibits at the secondary school (Intermediate & Senior) level.

Winners will be chosen from those high school entrants that declared they were able to travel into the USA (Canadian citizenship or landed immigrant status, with valid passport in-hand) as part of the BASEF registration process.

CANADA WIDE SCIENCE FAIR TRIP AWARDS

Advancement to the 2019 Canada Wide Science Fair (all trip expenses paid), to be held in Fredericton, New Brunswick from May 11 to 17, 2019.

Up to 17 students who have presented excellent projects will be chosen (dependent on funding level).

All projects entered in BASEF2019 are eligible.

Regeneron International Science & Engineering Fair (ISEF)



As an affiliated fair, BASEF is able to select five high school projects to represent our region at the Regeneron International Science and Engineering Fair. This year the ISEF Fair is a virtual fair. Unfortunately, this year's event is a virtual event so the winners will not be travelling to the fair. They will though, be competing for a full suite of prizes. Congratulations to the following students who are the BASEF 2021 RISEF Team.

Student	Project	Title	Board	School
Becca Barbera	E03	Diffusion Mechanism of Pu+3 in Sedimentary Repository Conditions: Ab Initio Molecular Dynamics Study	HWCD	Cathedral High School
Caroline Huang	N04	Predicting Mechanisms of Flood Vulnerability for Southeast Asia using Statistical Percolation Theory	HDSB	Abbey Park High School
Neha Gupta	F03	Microfluidic C. elegans electrotaxis procedure towards the detection of heavy metal residue in water	HWDSB	Westdale Secondary School
Joseph Saturnino	G10	FS-HIVE MRK 9: An Autonomous Swarm Robotics Fire Suppression System	HWCD	Bishop Ryan Secondary School



Thanks to the generous support of its general sponsors, each year BASEF selects students to represent our region at the Canada-Wide Science and Engineering Fair. Unfortunately, this year's event is a virtual event so the winners will not be travelling to the fair. They will though, be competing for a full suite of prizes. Congratulations to the following students who are the BASEF 2021 CWSF Team.

Student	Project	Title	Board	School
Ali Haider	G08	Using CRISPR to Diagnose and be used for Therapeutic Purposes for COVID-19	IND	Hillfield Strathallan College
Amy Harrison	N10	The Future of Xenotransplantation	IND	King's Christian Collegiate
Arianna Mastrolonardo	K01	Determining the Knowledge, Attitudes, and Practices of Adolescents to the COVID-19 Pandemic	IND	King's Christian Collegiate
Brenton Wang	M06	Angry Birds and Kinematic Physics	HCDSB	St. Andrew Elementary School
Harini Karthik	D03	Aerodynamic Performance and Structural Engineering of Helicopter Seeds for Wind Turbines (HeliSpin)	HDSB	Garth Webb Secondary School
Jeffrey Klinck	K06	A Novel Innovation to Aid People with Deafness via Haptic Feedback Relative to Surroundings	HDSB	Oakville Trafalgar High School
Kadhir Ponnambalam	B09	Investigation of the Efficiency of Water Vapor Collection from Air of Various Household Materials	IND	Hillfield Strathallan College
Lauren Dorricott	H09	Reading Retention: Screens vs Paper	IND	Calvin Christian School (Hamilton)
Louis Low	L06	Does Annoying Repetitive Sound Have an Influence on Training Effectiveness?	HCDSB	Canadian Martyrs Elementary School
Maria Chzhen	A10	How Do Sleep Positions Affect Dreams In Teenagers?	HWDSB	Westdale Secondary School
Mitchell Clapperton	P02	Reducing Wakes to Save Our Lakes - Optimizing Hull Design Using Computational Fluid Dynamics	HWDSB	Westdale Secondary School
Morgan McCourt	E04	Maskeria: Determining wearing time & bacterial contamination of masks with & without toothbrushing	IND	Oakville Christian School
Paul (Kyum) Lee	Q04	Development of a 3d Cursor for Robotic arm Programming Optimization	HWDSB	Westdale Secondary School
Vihaan Vashishtha	C08	Can we grow plants on Mars?	HDSB	W. H. Morden Public School

Merit and Special Awards Winners

School Board Names

GEDSB	Grand Erie District School Board	HWCD	Hamilton-Wentworth Catholic District School Board
SNS	Six Nations Schools	HWDSB	Hamilton-Wentworth District School Board
HCDSB	Halton Catholic District School Board	IND	Independent School (includes Home Schooling)
HDSB	Halton District School Board		

Student	Project	Award	Board	School
Al- Rammahi, Zainab	J05	Primary Fluid Systems Award	HWDSB	Ancaster High
Al- Rammahi, Zainab	J05	Venture Academy Scholarship	HWDSB	Ancaster High
Al- Rammahi, Zainab	J05	BASEF Inspiration Student Awards	HWDSB	Ancaster High
Al- Rammahi, Zainab	J05	Bronze Merit Award	HWDSB	Ancaster High
Ali, Iman	E06	Primary Fluid Systems Award	HDSB	Sam Sherratt Public School
Ali, Iman	E06	Bronze Merit Award	HDSB	Sam Sherratt Public School
Araya, Zacharaya	M03	Bronze Merit Award	HDSB	Forest Trail Public School
Aswani, Dhruv	L03	Nelson Steel Award	HDSB	Virtual Elementary School
Aswani, Dhruv	L03	BASEF Inspiration Student Award	HDSB	Virtual Elementary School
Aswani, Dhruv	L03	Silver Merit Award	HDSB	Virtual Elementary School
Awobokun, Tiseyi	G05	Mohawk College Building & Construction Sciences Awards - Transportation Engineering	IND	Oakville Christian School
Awobokun, Tiseyi	G05	SPIE Optics & Photonics Science Fair Award - Third	IND	Oakville Christian School
Awobokun, Tiseyi	G05	Bronze Merit Award	IND	Oakville Christian School
Ayibiowu, Tami	C06	Bronze Merit Award	IND	Oakville Christian School
Balogun, Bella	C10	ArcelorMittal Dofasco Human Resources Training & Development Award	IND	Oakville Christian School
Balogun, Bella	C10	Hamilton Pakistani Physicians Association - Third	IND	Oakville Christian School
Balogun, Bella	C10	Dr. Nicola Simmons Award in Cognition Studies	IND	Oakville Christian School
Balogun, Bella	C10	Silver Merit Award	IND	Oakville Christian School

Barbera, Becca	E03	ArcelorMittal Dofasco Central Trades & Services Department Award	HWCD	Cathedral High School
Barbera, Becca	E03	Canadian Institute of Mining, Metallurgy and Petroleum (Hamilton Branch) Awards	HWCD	Cathedral High School
Barbera, Becca	E03	Michael G. DeGrootte Institute for Infectious Disease Research Award	HWCD	Cathedral High School
Barbera, Becca	E03	Harrison Family Chemistry Award	HWCD	Cathedral High School
Barbera, Becca	E03	Association for Women Geoscientists Award	HWCD	Cathedral High School
Barbera, Becca	E03	Ricoh USA, Inc. Award	HWCD	Cathedral High School
Barbera, Becca	E03	Earth and Environmental Sciences Award	HWCD	Cathedral High School
Barbera, Becca	E03	Primary Fluid Systems Award	HWCD	Cathedral High School
Barbera, Becca	E03	Rotary Club of Hamilton-East Wentworth Award - First	HWCD	Cathedral High School
Barbera, Becca	E03	Gold Merit Award	HWCD	Cathedral High School
Barbera, Becca	E03	ISEF Trip Award	HWCD	Cathedral High School
Bevan, Adam	G04	Chemical Institute of Canada (Hamilton Section) Award	IND	Calvin Christian School (Hamilton)
Bianchi, Sophia	C07	ArcelorMittal Dofasco Process Automation Award	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Chemical Institute of Canada (Hamilton Section) Award	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Dr. Colin J.L. Lock Memorial Chemistry Award	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Primary Fluid Systems Award	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Rotary Club of Hamilton-East Wentworth Award - Second	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Venture Academy Scholarship	HWCD	St. Vincent de Paul
Bianchi, Sophia	C07	Bronze Merit Award	HWCD	St. Vincent de Paul
Bilbao-Sanchez, Emily	L09	Bronze Merit Award	IND	Calvin Christian School (Hamilton)
Bourenane, Yassine	H02	Nikola Tesla Honourable Mention Award	HWDSB	Ancaster Senior
Bresnahan, Rachel	M01	Bronze Merit Award	HDSB	Aldershot Elementary
Capalbo, Matteo	J10	Bronze Merit Award	HCDSB	Our Lady of Victory Elementary School
Chambers, Lauren	B03	BASEF Inspiration Student Award	IND	Oakville Christian School
Chambers, Lauren	B03	Silver Merit Award	IND	Oakville Christian School
Charters, Dalton	J07	Artistically Inspired Display Award	IND	Oakville Christian School
Chen, Echo	D03	ArcelorMittal Global R&D Hamilton Award for Technology Application	HDSB	Garth Webb Secondary School

Chen, Echo	D03	Mahut-Brent Award for Women in Science and Engineering	HDSB	Garth Webb Secondary School
Chen, Echo	D03	McMaster University Faculty of Engineering Entrance Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	McMaster University Faculty of Engineering Entrance Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	Mohawk College Building & Construction Sciences Awards - Civil Engineering	HDSB	Garth Webb Secondary School
Chen, Echo	D03	Primary Fluid Systems Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	STLE Tribology/Friction Reduction Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	University of Ottawa Admission Scholarship Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	Silver Merit Award	HDSB	Garth Webb Secondary School
Chen, Echo	D03	Canada-Wide Science Fair Trip Award	HDSB	Garth Webb Secondary School
Chen, Jessica	K02	Bronze Merit Award	HWDSB	Westmount Secondary School
Chzhen, Maria	A10	Ola Lunyk-Child Memorial Health Science Award - Second	HWDSB	Westdale Secondary School
Chzhen, Maria	A10	Gold Merit Award	HWDSB	Westdale Secondary School
Chzhen, Maria	A10	Canada-Wide Science Fair Trip Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	ArcelorMittal Dofasco Engineering Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	Dillon Consulting Science and Engineering Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	Gowling WLG Innovation Award - Grand Winner	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	American Meteorological Society Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	Primary Fluid Systems Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	Gold Merit Award	HWDSB	Westdale Secondary School
Clapperton, Mitchell	P02	Canada-Wide Science Fair Trip Award	HWDSB	Westdale Secondary School
Colatosti, Jacob	P08	Bronze Merit Award	HWCD	Bishop Ryan Secondary School
Deng, Kevin	A03	Chairs' Awards	HDSB	Oakville Trafalgar High School
Di Carlo, London	C10	ArcelorMittal Dofasco Human Resources Training & Development Award	IND	Oakville Christian School
Di Carlo, London	C10	Hamilton Pakistani Physicians Association - Third	IND	Oakville Christian School
Di Carlo, London	C10	Dr. Nicola Simmons Award in Cognition Studies	IND	Oakville Christian School

Di Carlo, London	C10	Silver Merit Award	IND	Oakville Christian School
Di Lauro, Madelyn	C03	BASEF Inspiration Student Award	IND	Oakville Christian School
Di Lauro, Madelyn	C03	Silver Merit Award	IND	Oakville Christian School
Dias, Rachel	C03	BASEF Inspiration Student Award	IND	Oakville Christian School
Dias, Rachel	C03	Silver Merit Award	IND	Oakville Christian School
Donohoe, Rylan	M04	Canadian Nuclear Society (Golden Horseshoe Branch) Awards- Intermediate or Senior	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Conservation Halton Environmental Sciences Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Farncombe Family Digestive Health Research Institute Grand Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Harrison Family Chemistry Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Hillfield Strathallan College Awards of Excellence - Innovation Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Laurentian Chapter of SETAC Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	McMaster University Department of Chemistry and Chemical Biology Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	McMaster Chemical Engineering Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Primary Fluid Systems Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	Gold Merit Award	HCDSB	St. Ignatius of Loyola Secondary School
Donohoe, Rylan	M04	ISEF Trip Award	HCDSB	St. Ignatius of Loyola Secondary School
Dorricott, Lauren	H09	Gold Merit Award	IND	Calvin Christian School (Hamilton)
Dorricott, Lauren	H09	Canada-Wide Science Fair Trip Award	IND	Calvin Christian School (Hamilton)
Doyle, Alexander	G03	Bronze Merit Award	IND	Oakville Christian School
Feltmate, Adam	A02	Dr. Laura Blew Social Sciences Award	HDSB	Oakville Trafalgar High School
Feltmate, Adam	A02	BASEF Inspiration Student Award	HDSB	Oakville Trafalgar High School
Feltmate, Adam	A02	Silver Merit Award	HDSB	Oakville Trafalgar High School
Fergani, Sarah	D01	Rotary Club of Hamilton-East Wentworth Award - Third	HWDSB	Ancaster Senior
Fergani, Sarah	D01	Bronze Merit Award	HWDSB	Ancaster Senior
Ghode, Aahan	B02	ArcelorMittal Dofasco Material Handling & Logistics Department Award	HDSB	W. H. Morden Public School

Ghode, Aahan	B02	Electrical Construction Association of Hamilton Award	HDSB	W. H. Morden Public School
Ghode, Aahan	B02	Primary Fluid Systems Award	HDSB	W. H. Morden Public School
Gupta, Neha	F03	ArcelorMittal Dofasco Environment Award	HWDSB	Westdale Secondary School
Gupta, Neha	F03	Canadian Institute of Mining, Metallurgy and Petroleum (Hamilton Branch) Awards	HWDSB	Westdale Secondary School
Gupta, Neha	F03	Michael G. DeGroote Institute for Infectious Disease Research Award	HWDSB	Westdale Secondary School
Gupta, Neha	F03	McMaster University Faculty of Engineering Entrance Award	HWDSB	Westdale Secondary School
Gupta, Neha	F03	Primary Fluid Systems Award	HWDSB	Westdale Secondary School
Gupta, Neha	F03	Gold Merit Award	HWDSB	Westdale Secondary School
Gupta, Neha	F03	Primary Fluid Systems Pinnacle Second Best in Fair	HWDSB	Westdale Secondary School
Gupta, Neha	F03	ISEF Trip Award	HWDSB	Westdale Secondary School
Haider, Ali	G08	Bay Area Health Trust Scholarship, Paul Lakin Life Sciences Award	IND	Hillfield Strathallan College
Haider, Ali	G08	Silver Merit Award	IND	Hillfield Strathallan College
Haider, Ali	G08	Canada-Wide Science Fair Trip Award	IND	Hillfield Strathallan College
Halim, Samantha	C04	BASEF Inspiration Student Award	IND	Oakville Christian School
Halim, Samantha	C04	Silver Merit Award	IND	Oakville Christian School
Hanna, Monica	F08	Bronze Merit Award	IND	Oakville Christian School
Hans (Han), Elaine (Dora)	J06	BASEF Inspiration Student Award	HDSB	Virtual Elementary School
Hans (Han), Elaine (Dora)	J06	Silver Merit Award	HDSB	Virtual Elementary School
Harrison, Amy	N10	Society for In Vitro Biology Award	IND	King's Christian Collegiate
Harrison, Amy	N10	Silver Merit Award	IND	King's Christian Collegiate
Harrison, Amy	N10	Canada-Wide Science Fair Trip Award	IND	King's Christian Collegiate
Huang, Caroline	N04	Canadian Meteorological and Oceanographic Society (CMOS) Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Conservation Halton Environmental Sciences Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Dillon Consulting Biological Sciences Award	HDSB	Abbey Park High School
Huang, Caroline	N04	MU Alpha Theta Award	HDSB	Abbey Park High School

Huang, Caroline	N04	U.S. Agency for International Development (USAID) Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Geography Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Oakvillegreen Conservation Association Award for the Environment	HDSB	Abbey Park High School
Huang, Caroline	N04	Primary Fluid Systems Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Gold Merit Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Drs. Ranjan Sur and Monalisa Sur Award	HDSB	Abbey Park High School
Huang, Caroline	N04	Primary Fluid Systems Pinnacle Best in Fair	HDSB	Abbey Park High School
Huang, Caroline	N04	ISEF Trip Award	HDSB	Abbey Park High School
Igwe, Sarah	H05	Nelson Steel Award	IND	Calvin Christian School (Hamilton)
Jain, Harshit	H07	Electrical Construction Association of Hamilton Award	HDSB	John William Boich Public School
Jain, Harshit	H07	Nikola Tesla Honourable Mention Award	HDSB	John William Boich Public School
Jim, Yuba	C07	ArcelorMittal Dofasco Process Automation Award	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Chemical Institute of Canada (Hamilton Section) Award	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Dr. Colin J.L. Lock Memorial Chemistry Award	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Primary Fluid Systems Award	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Rotary Club of Hamilton-East Wentworth Award - Second	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Venture Academy Scholarship	HWCD	St. Vincent de Paul
Jim, Yuba	C07	Bronze Merit Award	HWCD	St. Vincent de Paul
Johal, Angad	P06	Primary Fluid Systems Award	HDSB	John William Boich Public School
Johnson, Katelyn	L07	ArcelorMittal Dofasco Chemical Testing Award	HWDSB	Westdale Secondary School
Johnson, Katelyn	L07	James A Winger Award	HWDSB	Westdale Secondary School
Johnson, Katelyn	L07	Bronze Merit Award	HWDSB	Westdale Secondary School
Karas, Jasmine	G06	The Research Institute of St. Joe's Hamilton, Health Research Junior Award	IND	Oakville Christian School
Karas, Jasmine	G06	Bronze Merit Award	IND	Oakville Christian School
Karthik, Harini	D03	ArcelorMittal Global R&D Hamilton Award for Technology Application	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	Mahut-Brent Award for Women in Science and Engineering	HDSB	Garth Webb Secondary School

Karthik, Harini	D03	McMaster University Faculty of Engineering Entrance Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	McMaster University Faculty of Engineering Entrance Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	Mohawk College Building & Construction Sciences Awards - Civil Engineering	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	Primary Fluid Systems Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	STLE Tribology/Friction Reduction Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	University of Ottawa Admission Scholarship Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	Silver Merit Award	HDSB	Garth Webb Secondary School
Karthik, Harini	D03	Canada-Wide Science Fair Trip Award	HDSB	Garth Webb Secondary School
Kaul, Ruby	F06	Bronze Merit Award	HDSB	Aldershot Elementary
Kelder, Andrew	B05	BASEF Inspiration Student Award	IND	Oakville Christian School
Kelder, Andrew	B05	Silver Merit Award	IND	Oakville Christian School
Klinck, Jeffrey	K06	Hamilton Pakistani Physicians Association - First	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Mohawk College Electrotechnology - Computer Engineering Technology Award	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Primary Fluid Systems Award	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Procor Engineering Award - Intermediate	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Talkit.ca Computer Engineering Award - First	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Silver Merit Award	HDSB	Oakville Trafalgar High School
Klinck, Jeffrey	K06	Canada-Wide Science Fair Trip Award	HDSB	Oakville Trafalgar High School
Konynenbelt, Maxim	B08	ArcelorMittal Dofasco Information Systems Award	IND	Oakville Christian School
Lafarge, Melia	N01	BASEF Inspiration Student Award	HWCD	St. Luke
Lafarge, Melia	N01	Silver Merit Award	HWCD	St. Luke
Lamont, Bridget	B06	Farncombe Family Digestive Health Research Award	IND	Oakville Christian School
Lamont, Bridget	B06	Bronze Merit Award	IND	Oakville Christian School
Lang, Genevieve	F06	Bronze Merit Award	HDSB	Aldershot Elementary
LeBlanc, Maya	D04	Hamilton Academy of Dentistry Award - Second	IND	Oakville Christian School
LeBlanc, Maya	D04	John W. Howard Materials Research Award	IND	Oakville Christian School

LeBlanc, Maya	D04	Silver Merit Award	IND	Oakville Christian School
Lee, Paul (Kyum)	Q04	Association for Iron & Steel Technology Northern Chapter Awards	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Hillfield Strathallan College Entrance Scholarship Award	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Mohawk College Electrotechnology - Electrical Engineering Award	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Nikola Tesla Innovation Award - Gold	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Primary Fluid Systems Award	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Talkit.ca Computer Engineering Award - Second	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Ted Rogers Innovation Award	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Silver Merit Award	HWDSB	Westdale Secondary School
Lee, Paul (Kyum)	Q04	Canada-Wide Science Fair Trip Award	HWDSB	Westdale Secondary School
Lee, Yuna	D09	The Research Institute of St. Joe's Hamilton, Health Research Intermediate Award	HDSB	Oakville Trafalgar High School
Li, Neng	J03	Bronze Merit Award	HCDSB	St. Andrew Elementary School
Low, Louis	L06	Silver Merit Award	HCDSB	Canadian Martyrs Elementary School
Low, Louis	L06	Canada-Wide Science Fair Trip Award	HCDSB	Canadian Martyrs Elementary School
Maccarrone, Max	E02	Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior	IND	Oakville Christian School
Maccarrone, Max	E02	Nikola Tesla Honourable Mention Award	IND	Oakville Christian School
Maccarrone, Max	E02	BASEF Inspiration Student Award	IND	Oakville Christian School
Maccarrone, Max	E02	Silver Merit Award	IND	Oakville Christian School
Maccarrone, Zara	E10	Laurentian Chapter of SETAC Award	IND	Oakville Christian School
Maccarrone, Zara	E10	Silver Merit Award	IND	Oakville Christian School
Makada, Safiya	M08	Hamilton Chamber of Commerce Innovation Award - Third	IND	Hillfield Strathallan College
Makada, Safiya	M08	Bronze Merit Award	IND	Hillfield Strathallan College
Mao, Teddy	C09	New Health Scientist Award	IND	Oakville Christian School
Mao, Teddy	C09	BASEF Inspiration Student Award	IND	Oakville Christian School
Mao, Teddy	C09	Silver Merit Award	IND	Oakville Christian School

Mastrolonardo, Arianna	K01	Ola Lunyk-Child Memorial Health Science Award - Third	IND	King's Christian Collegiate
Mastrolonardo, Arianna	K01	Silver Merit Award	IND	King's Christian Collegiate
Mastrolonardo, Arianna	K01	Canada-Wide Science Fair Trip Award	IND	King's Christian Collegiate
McCourt, Morgan	E04	ArcelorMittal Dofasco Medical Department Award	IND	Oakville Christian School
McCourt, Morgan	E04	Dr. M. Doyle Biology Award	IND	Oakville Christian School
McCourt, Morgan	E04	Hamilton Academy of Dentistry Award - First	IND	Oakville Christian School
McCourt, Morgan	E04	Hillfield Strathallan College Awards of Excellence - Life Sciences Award	IND	Oakville Christian School
McCourt, Morgan	E04	Ola Lunyk-Child Memorial Health Science Award - First	IND	Oakville Christian School
McCourt, Morgan	E04	Gold Merit Award	IND	Oakville Christian School
McCourt, Morgan	E04	Roy Middleton Memorial Award	IND	Oakville Christian School
McCourt, Morgan	E04	Canada-Wide Science Fair Trip Award	IND	Oakville Christian School
McKenzie, Heather	A06	BASEF Inspiration Student Award	HDSB	Charles R. Beaudoin Public School
McKenzie, Heather	A06	Silver Merit Award	HDSB	Charles R. Beaudoin Public School
Mehr, Ariana	E06	Primary Fluid Systems Award	HDSB	Sam Sherratt Public School
Mehr, Ariana	E06	Bronze Merit Award	HDSB	Sam Sherratt Public School
Mehta, Kavan	F02	American Psychological Association Award	IND	King's Christian Collegiate
Mehta, Kavan	F02	McMaster University Faculty of Engineering Entrance Award	IND	King's Christian Collegiate
Mehta, Kavan	F02	Bronze Merit Award	IND	King's Christian Collegiate
Meng, David	J08	Hamilton Wentworth Occasional Teacher - Healthy Lifestyles Award	HDSB	Pilgrim Wood Public School
Meng, David	J08	BASEF Inspiration Student Award	HDSB	Pilgrim Wood Public School
Meng, David	J08	Silver Merit Award	HDSB	Pilgrim Wood Public School
Misquitta, William	K09	ArcelorMittal Dofasco Ironmaking Award	HCDSB	St. Andrew Elementary School
Misquitta, William	K09	Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior	HCDSB	St. Andrew Elementary School
Mogus, Sabrina	N09	Michael G. DeGroote Institute for Infectious Disease Research Grand Award	HDSB	Garth Webb Secondary School
Mogus, Sabrina	N09	Yale Science & Engineering Association Award	HDSB	Garth Webb Secondary School

Mogus, Sabrina	N09	McMaster University Faculty of Engineering Entrance Award	HDSB	Garth Webb Secondary School
Mogus, Sabrina	N09	Primary Fluid Systems Award	HDSB	Garth Webb Secondary School
Mogus, Sabrina	N09	Silver Merit Award	HDSB	Garth Webb Secondary School
Mogus, Sabrina	N09	Canada-Wide Science Fair Trip Award	HDSB	Garth Webb Secondary School
Nagasaki, Kibo	A04	Mohawk College Mathematics Awards - Junior	IND	Oakville Christian School
Nagasaki, Kibo	A04	BASEF Inspiration Student Award	IND	Oakville Christian School
Nagasaki, Kibo	A04	Silver Merit Award	IND	Oakville Christian School
Naik, Jaya	B01	ArcelorMittal Dofasco Product Development Business Process Award	HDSB	W. H. Morden Public School
Naik, Jaya	B01	Hamilton Wentworth Occasional Teacher - Presentation & Aesthetics Award	HDSB	W. H. Morden Public School
Naik, Jaya	B01	Materials Science and Engineering Award - Junior	HDSB	W. H. Morden Public School
Naik, Jaya	B01	Nikola Tesla Innovation Award - Silver	HDSB	W. H. Morden Public School
Naik, Jaya	B01	SPIE Optics & Photonics Science Fair Award - First	HDSB	W. H. Morden Public School
Naik, Jaya	B01	Silver Merit Award	HDSB	W. H. Morden Public School
Ninos, Daria	A07	Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Intermediate or Senior	HDSB	Oakville Trafalgar High School
Ninos, Daria	A07	American Meteorological Society Award	HDSB	Oakville Trafalgar High School
Ninos, Daria	A07	Bronze Merit Award	HDSB	Oakville Trafalgar High School
Ninos, Katherine	A07	Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Intermediate or Senior	HDSB	Oakville Trafalgar High School
Ninos, Katherine	A07	American Meteorological Society Award	HDSB	Oakville Trafalgar High School
Ninos, Katherine	A07	Bronze Merit Award	HDSB	Oakville Trafalgar High School
Olawunmi, Demilade	E02	Canadian Nuclear Society (Golden Horseshoe Branch) Awards - Junior	IND	Oakville Christian School
Olawunmi, Demilade	E02	Nikola Tesla Honourable Mention Award	IND	Oakville Christian School
Olawunmi, Demilade	E02	BASEF Inspiration Student Award	IND	Oakville Christian School
Olawunmi, Demilade	E02	Silver Merit Award	IND	Oakville Christian School
Pacifici, Nicholas	D02	The Research Institute of St. Joe's Hamilton, Health Research Junior Award	HWCD	St. Bernadette
Pacifici, Nicholas	D02	Bronze Merit Award	HWCD	St. Bernadette

Perez, Vanessa	M05 BASEF Inspiration Student Award	HCDSB	Our Lady of Victory Elementary School
Perez, Vanessa	M05 Bronze Merit Award	HCDSB	Our Lady of Victory Elementary School
Ponnambalam, Kadhira	B09 Primary Fluid Systems Award	IND	Hillfield Strathallan College
Ponnambalam, Kadhira	B09 Silver Merit Award	IND	Hillfield Strathallan College
Ponnambalam, Kadhira	B09 Canada-Wide Science Fair Trip Award	IND	Hillfield Strathallan College
Rathod, Anish	F10 Environmental Inspiration Award	HDSB	John William Boich Public School
Rathod, Anish	F10 Nikola Tesla Innovation Award - Silver (2)	HDSB	John William Boich Public School
Read, Jake	K03 ArcelorMittal Dofasco Hot Mill Award	GEDSB	Paris District High School
Read, Jake	K03 Mohawk College Computer Science & Information Technology Excellence Award	GEDSB	Paris District High School
Read, Jake	K03 Primary Fluid Systems Award	GEDSB	Paris District High School
Read, Jake	K03 Silver Merit Award	GEDSB	Paris District High School
Renaud, Chantel	K08 Hamilton Wentworth Occasional Teachers - Environment & Education Award	HDSB	John William Boich Public School
Ruggiero, Daschel	H07 Electrical Construction Association of Hamilton Award	HDSB	John William Boich Public School
Ruggiero, Daschel	H07 Nikola Tesla Honourable Mention Award	HDSB	John William Boich Public School
Salimi, Hamna	D05 BASEF Inspiration Student Award	HDSB	Garth Webb Secondary School
Salimi, Hamna	D05 Silver Merit Award	HDSB	Garth Webb Secondary School
Saturnino, Anthony	G10 ArcelorMittal Dofasco Commercial Department Award	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 Hamilton Chamber of Commerce Innovation Award - Second	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 Hamilton Pakistani Physicians Association - Second	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 Hillfield Strathallan College Awards of Excellence - Scientific Process Award	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 IEEE (Institute of Electrical & Electronic Engineers) Hamilton Section Award	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 Primary Fluid Systems Award	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 The Research Institute of St. Joe's Hamilton, Health Research Intermediate Award	HWCD	Bishop Ryan Secondary School
Saturnino, Anthony	G10 Bronze Merit Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03 ArcelorMittal Dofasco Steelmaking Award	HWCD	Bishop Ryan Secondary School

Saturnino, Joseph	H03	Gowling WLG Innovation Award - Runner-up	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	McMaster University Faculty of Engineering Entrance Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	McMaster University Faculty of Engineering Entrance Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Mechanical Contractors Association Hamilton Niagara Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Mohawk College Computer Science & Information Technology Excellence Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Nikola Tesla Honourable Mention Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Primary Fluid Systems Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Procor Engineering Award - Senior	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Gold Merit Award	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	Primary Fluid Systems Pinnacle Third Best in Fair	HWCD	Bishop Ryan Secondary School
Saturnino, Joseph	H03	ISEF Trip Award	HWCD	Bishop Ryan Secondary School
Selvakkumaran, Solai	F07	Bronze Merit Award	HDSB	Virtual Elementary School
Seymour, Julia	M04	Canadian Nuclear Society (Golden Horseshoe Branch) Awards- Intermediate or Senior	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Conservation Halton Environmental Sciences Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Farncombe Family Digestive Health Research Institute Grand Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Harrison Family Chemistry Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Hillfield Strathallan College Awards of Excellence - Innovation Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Laurentian Chapter of SETAC Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	McMaster University Department of Chemistry and Chemical Biology Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	McMaster Chemical Engineering Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Primary Fluid Systems Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	Gold Merit Award	HCDSB	St. Ignatius of Loyola Secondary School
Seymour, Julia	M04	ISEF Trip Award	HCDSB	St. Ignatius of Loyola Secondary School
Shvetsov, Evan	A01	Dr. Laura Blew Social Sciences Award	HDSB	Oakville Trafalgar High School
Shvetsov, Evan	A01	The Research Institute of St. Joe's Hamilton, Health Research Intermediate Award	HDSB	Oakville Trafalgar High School

Shvetsov, Evan	A01	Bronze Merit Award	HDSB	Oakville Trafalgar High School
Soni, Ruhan	B10	AMD Inventing Smarter Steels for a Better World Award	IND	Hillfield Strathallan College
Soni, Ruhan	B10	Association for Iron & Steel Technology Northern Chapter Awards	IND	Hillfield Strathallan College
Soni, Ruhan	B10	Hamilton Chamber of Commerce Innovation Award - First	IND	Hillfield Strathallan College
Soni, Ruhan	B10	Materials Science and Engineering Award - Intermediate	IND	Hillfield Strathallan College
Soni, Ruhan	B10	Bronze Merit Award	IND	Hillfield Strathallan College
Stephan, Oceana	B06	Farncombe Family Digestive Health Research Award	IND	Oakville Christian School
Stephan, Oceana	B06	Bronze Merit Award	IND	Oakville Christian School
Stoisor, Andrea	K10	Mohawk College Building & Construction Sciences Awards - Building Sciences	HDSB	John William Boich Public School
Su, Sienna	J06	BASEF Inspiration Student Award	HDSB	Virtual Elementary School
Su, Sienna	J06	Silver Merit Award	HDSB	Virtual Elementary School
Szymala, Weronika	N01	BASEF Inspiration Student Award	HWCD	St. Luke
Szymala, Weronika	N01	Silver Merit Award	HWCD	St. Luke
Takei, Edson	N06	ArcelorMittal Global R&D Hamilton Award for Outstanding Research	HDSB	Abbey Park High School
Takei, Edson	N06	Bronze Merit Award	HDSB	Abbey Park High School
Vanderwal, Violet	K04	Chemical Institute of Canada (Hamilton Section) Award	HWDSB	Dundas Central Public
Vashishtha, Vihaan	C08	Royal Botanical Gardens Award	HDSB	W. H. Morden Public School
Vashishtha, Vihaan	C08	Silver Merit Award	HDSB	W. H. Morden Public School
Vashishtha, Vihaan	C08	Canada-Wide Science Fair Trip Award	HDSB	W. H. Morden Public School
Wang, Brenton	M06	Silver Merit Award	HCDSB	St. Andrew Elementary School
Wang, Brenton	M06	Canada-Wide Science Fair Trip Award	HCDSB	St. Andrew Elementary School
Wang, Renny	A10	Ola Lunyk-Child Memorial Health Science Award - Second	HWDSB	Westdale Secondary School
Wang, Renny	A10	Gold Merit Award	HWDSB	Westdale Secondary School
Wang, Renny	A10	Canada-Wide Science Fair Trip Award	HWDSB	Westdale Secondary School
Watson, Emma	M01	Bronze Merit Award	HDSB	Aldershot Elementary

Widyalankara, Vidu	C05	Gowlings Innovation Award - Honourable Mention	HDSB	Anne J. MacArthur Public School
Widyalankara, Vidu	C05	IEEE (Institute of Electrical & Electronic Engineers) Hamilton Section Award	HDSB	Anne J. MacArthur Public School
Widyalankara, Vidu	C05	Primary Fluid Systems Award	HDSB	Anne J. MacArthur Public School
Widyalankara, Vidu	C05	Procor Engineering Award - Junior	HDSB	Anne J. MacArthur Public School
Widyalankara, Vidu	C05	SPIE Optics & Photonics Science Fair Award - Second	HDSB	Anne J. MacArthur Public School
Xu, Raphael	H10	Farncombe Family Digestive Health Research Award	HDSB	Oakville Trafalgar High School
Yang, Shirley	M02	Artistically Inspired Display Award	HCDSB	St. Andrew Elementary School
Yao, Kathy	M09	Mohawk College Mathematics Awards - Senior	HDSB	Oakville Trafalgar High School
Yao, Kathy	M09	Bronze Merit Award	HDSB	Oakville Trafalgar High School
Yin, Brian	L02	ArcelorMittal Dofasco Quality Systems Award	HCDSB	St. Andrew Elementary School
Yin, Brian	L02	Mohawk College Electrotechnology - Energy Systems Award	HCDSB	St. Andrew Elementary School
Yin, Brian	L02	Nikola Tesla Honourable Mention Award	HCDSB	St. Andrew Elementary School
Yong, Nahyun	D09	The Research Institute of St. Joe's Hamilton, Health Research Intermediate Award	HDSB	Oakville Trafalgar High School
Yoo, Ryan	F10	Environmental Inspiration Award	HDSB	John William Boich Public School
Yoo, Ryan	F10	Nikola Tesla Innovation Award - Silver (2)	HDSB	John William Boich Public School
You, Gavin	L04	Nikola Tesla Honourable Mention Award	HDSB	W. H. Morden Public School
You, Gavin	L04	Primary Fluid Systems Award	HDSB	W. H. Morden Public School
You, Gavin	L04	STLE Tribology/Friction Reduction Award	HDSB	W. H. Morden Public School
You, Gavin	L04	Bronze Merit Award	HDSB	W. H. Morden Public School
Yuan, Yoyo	K02	Bronze Merit Award	IND	Hillfield Strathallan College
Zhang, Kaylee	J01	ASM Materials Education Foundation Award	HWDSB	Westdale Secondary School
