Peterborough Science Fair

2023

Awards Ceremony

Raffle Prizes

Early Bird Registration

$50 Galaxy Gift Card

Meerab Assim

Candy Beaker and Flask winners

1.

2.

Raffle Prizes

WWF Butterfly Adoption

Elsa Ziyi Kong

Rhema Christian School

Canada's Dinosaur Park

Avni Bishop

Westmount Public School

PRIMARY
K- Grade 3

General Science

Honourable Mention

Sawyer Belanger
Bailey Iribon

Rhema Christian School

Glorious Glistening Geodes

Honourable Mention

Callia Lucima

Northumberland Christian School

Waves-Coastal Erosion

Award of Excellence

Madeline Haan
Rhema Christian School

How does the colour of light affect the growth of plants

Award of Excellence

Lydia Parker
Adeline Zhang

Rhema Christian School

Salt & Ice

Award of Excellence

Udayvir Gharial

Homestead Public School

Robotics

Award of Excellence

Jade McNevan

Rhema Christian School

Are You Thirsty?

Award of Excellence

Shiven Dave
Westmount Public School

Working Lungs model and effect of infection

Best Overall

Elsa ZIYI KONG
Leanne Liu
Rhema Christian School

Energy saving lighting control

ELEMENTARY
Grades 4 - 6

Biological Science

Honourable Mention

Christina Wilson
Rhema Christian School

How Trees Absorb Water

Honourable Mention

Clara Taylor

James Strath Public School

My Hypoallergenic Cat

Award of Excellence

Cohen McNevan
Rhema Christian School

Net Positive

Award of Excellence

Liah Van
Rosemary Belanger

Rhema Christian School

Egg-cellent Feathered Features

Award of Excellence

Landon Hancock

James Strath Public School

Examining Bacteria in Various Water Sources

Award of Excellence

Austin McInnes
St. Catherine Elementary School

Raising the Bar (Part 2): Creating Waste Free Shampoo & Conditioner Bars

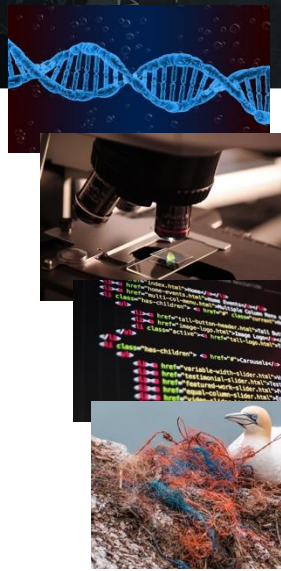
Award of Excellence

Manha Yusuf
Laiba Yusuf

Home School

Improving youth and adult mental health post covid-19 pandemic among unemployed and low income households through Art sessions and Pet therapy.

Best Overall



Claire Sehn

St. Catherine Elementary School

Gray is the New Green: Reusing Gray Water to Grow Plants

Raffle Prizes

ROM

Clara Taylor
James Strath

YoYos

Jade McNevan
Rhema

Macleans

Landon Hancock
James Strath

ELEMENTARY
Grades 4 - 6

Physical Science

Honourable Mention

Jamieson Smallwood
Simeon van Berkel

Rhema Christian School

Laser Security System

Honourable Mention

MacKenna Smyth

Queen Mary Public School

Tie Dye - What are the best fabric and dye combinations?

Award of Excellence

Addison Hancock
James Strath Public School

Erosion In Motion

Award of Excellence

Leila Sherrer
James Strath Public School

Can Petting a Dog Decrease Stress

Award of Excellence

Ellie McNamara
James Strath Public School

Mind Games

Award of Excellence

Katia Seviaryna

St. Catherine Elementary School

The Philosopher's Soap: the Key to Eternal Bubbles

Award of Excellence

Miles Smith

Queen Mary Public School

The Best Way to Shuffle Cards

Best Overall

Benjamin Van
Roland Belanger

Rhema Christian School

How to Earthquake-Proof a Building

Raffle Prizes

Runner's Life t-shirt

Ashlyn Pomery
East Northumberland

Peterborough Pete's

Avery Fam
Kawartha Montessori

Runner's Life Vest

Nate Bennett
East Northumberland

Meerab | Asim

Live Raffle Prize

Bird Kingdom Four Passes

Science Centre Pass

Junior, Intermediate and Senior Division Awards

Junior
Grades 7 - 8

Physical & Mathematical Science

Second

Isaiah Dinnick

Rhema Christian School

Juggling Around

First

Sponsored by Institute of Electrical & Electronics Engineers

Fraser Root-Maher

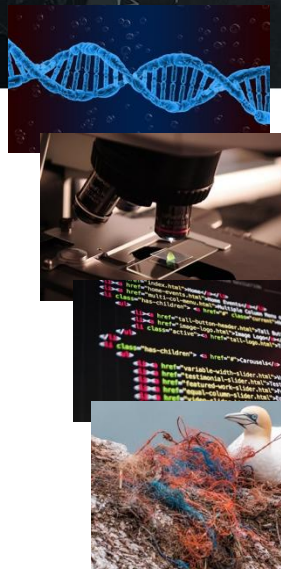
Kawartha Montessori School

Recipe Reinvention: Exploring the Science of Baking

Junior
Grades 7 - 8

Health & Life Sciences

Honourable Mention



Jonah Flaman

Kawartha Montessori School

Pepsi or Coke?

Third

Ella Kemsley

Children's Montessori & Preparatory School

Effective Hand Hygiene

Second

Ivan Street
Kawartha Montessori School

Tinted Innocence

First

Dr. Agnes Moffat- Magee Award
Sponsored by Canadian Federation of University Women

Meerab Asim
Layla Ellis

Kawartha Montessori School

Does the presence of lyrics in music affect a person's numerical memory?

Junior
Grades 7 - 8

Earth & Environmental Sciences

Honourable Mention

Abby Nichols
Rebecca Edgerton

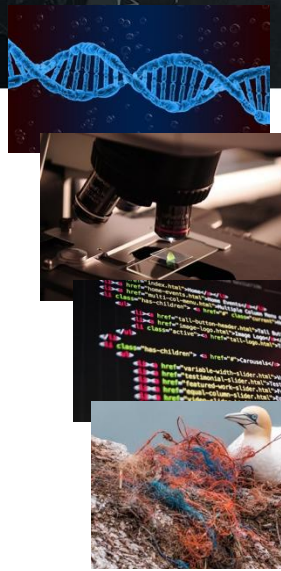
James Strath Public School

Music & Plants

Third

Corbin Kretschmar-Ford
Leo Weiskittel

Kawartha Montessori School



Superfood for Superworms

Second

Sadie McFadden
Kawartha Montessori School

What the Duck Makes My Plants Grow?

First

Thomas Howard Award
Sponsored by Dorothy Howard-Gill

Ella Sehn
St. Catherine Elementary School

Purifying Chlorinated Water with Carbon

Junior
Grades 7 - 8

Computing & Engineering Sciences

Honourable Mention

Saad Alherish

Kawartha Montessori School

the placebo effect

Third

Sponsored by BWXT

Aviraj Sembhi

St. Catherine Elementary School

Exploring the Potential of Machine Learning in Solving Puzzles

Second

Sponsored by BWXT

Avery Fam
Nikhil Joshi

Kawartha Montessori School

The Next Generation of Coding: Using AI to code AI

First

Sponsored by Institute of Electrical & Electronics Engineers

Zackary Carter Phillips

St. Elizabeth School

Simple Sun Tracking Solar Panels

Intermediate
Grades 9 - 10

Physical & Mathematical Science

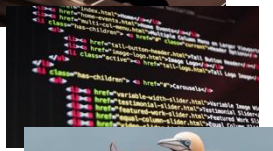
Third

Sponsored by Ontario Power Generation

Ethan Wain
East Northumberland Secondary School

The Chemistry of Colour Fire

Second



Laura Zegers
Becca Pipe

Port Hope High School

Light it up with homemade lava lamps

First

Isabelle Young

St. Peter Secondary School

The perfect crime

Intermediate
Grades 9 - 10

Health & Life Sciences

Honourable Mention

Hrish Dave

Kenner Collegiate & Vocational Institute

Exertion vs Exhaustion

Third

Sponsored by Ontario Power Generation

Dean Varty

East Northumberland Secondary School

Phonetics - How Human Speech Works

Second

Sponsored by Ontario Power Generation

Rajeasha Rathnakumar
Victoria Fraser

East Northumberland Secondary School

To vape or not to vape?

First

Sponsored by Ontario Power Generation

Kara Doherty

Holy Cross Secondary School

Science of Pain

Intermediate
Grades 9 - 10

Earth & Environmental Sciences

Second

Sponsored by The Ontanbee Region Conservation Authority

Emmerson Kirk
Alivia MacGregor

East Northumberland Secondary School

Modelling environmental impacts of volcano

First

Sponsored by The Ontanbee Region Conservation Authority

Sarah Walters
Addison Eaton

East Northumberland Secondary School

Canada's ban on plastic bags.

Raffle Prizes

Peterborough Escape Maze

Isaiah Dinnick

Rhema

Peterborough Escape Maze

Kara Doherty

Holy Cross C. High School

Senior
Grades 11 - 12

Physical & Mathematical Science

Phillips

Second

Simon Stevens

East Northumberland Secondary School

How Sweet It Is! A Molecular and Nutritional Analysis of Maple Syrup

Phillips

First

Hailey Cavanagh
St. Peter Secondary School

The Ripple Effect~It's no matter

Senior
Grades 11 - 12

Health & Life Sciences

Phillips

Second

Sponsored by Ontario Power Generation

Lyna Tataw
Lakefield College School

Using the PCSK9 gene mutation to resolve cardiovascular disease

Phillips

First

Sponsored by Ontario Power Generation

Ashlynn Pomeroy

East Northumberland Secondary School

De-Extinction

Senior
Grades 11 - 12

Earth & Environmental Sciences

Lungley

Honourable Mention

Ava Ostrander
Ida Mackey
East Northumberland Secondary School

Does Ontario need more provincial parks?

Third

Tatum DeVille
Kaitlyn Lungley
East Northumberland Secondary School

The Problem With Fast Fashion and One Chique Solution

Second

Ava Trefiak

East Northumberland Secondary School

Biodiversity Impacts on Soil Quality

First

Elena De Luca
Nate Bennett
East Northumberland Secondary School

ENSS Recycles?

Meerab Asim

Live Raffle Prize

Kawartha Nordic Ski package

Runner's Life Jacket

2 Niagara Parks Pass

$435 Value

Special Awards
Primary & Elementary

$25 Random Rookie Award

Primary

Max Milne

James Strath Public School

Dinos 4 Life

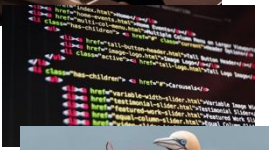
$25 Random Rookie Award

Elementary

MacKenna Smyth

Queen Mary Public School

Tie Dye - What are the best fabric and dye combinations?



$40 Peterborough Field Naturalists Award

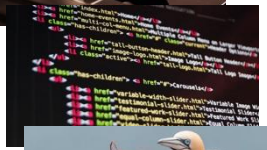
Elementary

Claire Sehn
St. Catherine Elementary School

Gray is the New Green: Reusing Gray Water to Grow Plants

$40 Peterborough Field Naturalists Award

Elementary



Addison Hancock

James Strath Public School

Erosion In Motion

$100 Institute for Integrative Conservation Biology at Trent University: Science & Discovery Elementary Award

Claire Sehn

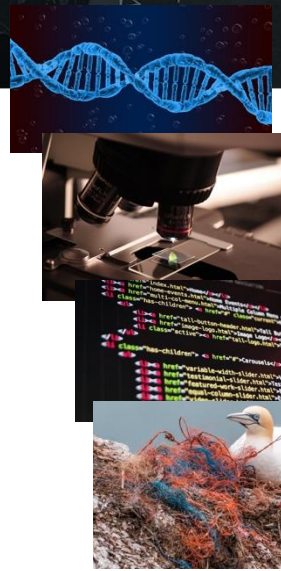
St. Catherine Elementary School

Gray is the New Green: Reusing Gray Water to Grow Plants

Special Awards

All Divisions Eligible

Laiba



$50 Community Betterment Award

Sponsored by Chad and Louise Campbell

Manha and Laiba Yusuf

Home School

Improving youth and adult mental health post covid-19 pandemic among unemployed and low -income households through Art sessions and Pet therapy.

$100 Shaw Computer Systems Award for Energy Management

Austin McInnes
St. Catherine Elementary School

Raising the Bar (Part 2): Creating Waste Free Shampoo & Conditioner Bars

$100 Peterborough Astronomical Association Award

Sponsored by the Peterborough Astronomical Association

Hailey Cavanagh

St. Peter Secondary School

The Ripple Effect~It's no matter

$100 Peterborough Astronomical Association Award

Sponsored by the Peterborough Astronomical Association

Hope Bush
James Strath Public School

Collecting Micro-meteorites

Special Awards

Junior, Intermediate and Senior

$25 Random Rookie Award
Junior

Rebecca Edgerton

James Strath Public School

Music & Plants

St. Peter Secondary School

$25 Random Rookie Award Intermediate

Isabelle Young

St. Peter Secondary School

The perfect crime

$25 Random Rookie Award
Senior

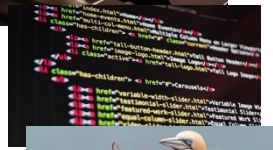
Ida Mackey

East Northumberland Secondary School

Does Ontario need more provincial parks?

$40 Peterborough Field Naturalists Award

Junior



Ella Sehn
St. Catherine Elementary School

Purifying Chlorinated Water with Carbon

$40 Peterborough Field Naturalists Award

Junior

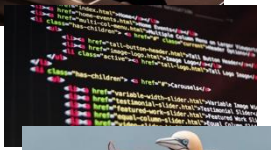
Corbin Kretschmar-Ford & Leo Weiskittel
Kawartha Montessori School

Superfood for Superworms

$100 Institute for Integrative Conservation Biology at Trent University: Ecology and Evolution Award

Ava Trefiak
East Northumberland Secondary School

Biodiversity Impacts on Soil Quality

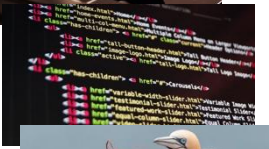


$100 Water Environment Association of Ontario Award

Claire Sehn

St. Catherine C. E. School

Gray is the New Green: Reusing Gray Water to Grow Plants



$250 Otonabee Region Conservation Authority Award for Environmental Excellence

Junior Earth and Environmental

Ella Sehn

St. Catherine Elementary School

Purifying Chlorinated Water with Carbon

$100 Mapleview Farms

Health and Life Sciences

Ella Kemsley

Children's Montessori & Preparatory School

Effective Hand Hygiene

$100 Mapleview Farms

Health and Life Sciences

Kara Doherty

Holy Cross Secondary School

Science of Pain

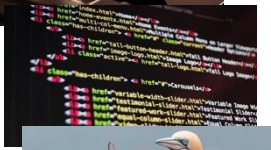
$100 Trent School of the Environment Award

Intermediate Earth and Environmental Sciences

Elena De Luca
Nate Bennett

East Northumberland Secondary School

ENSS Recycles?



$100 Water Environment Association of Ontario Award

Ella Sehn

St. Catherine Elementary School

Purifying Chlorinated Water with Carbon

$100 Sanofi Biogenius Award

Corbin Kretschmar-Ford
Leo Weiskittel

Kawartha Montessori School

Superfood for Superworms

$100 John S. Mackelvie Award

Sponsored by Institute of Electrical and Electronic Engineers

Zackary Carter Phillips

St. Elizabeth School

Simple Sun Tracking Solar Panels

$100 Rolls-Royce Award

Physical Science

Zackary Carter Phillips

St. Elizabeth School

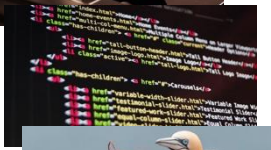
Simple Sun Tracking Solar Panels

$150 Professional Engineers of Ontario Peterborough Section - Innovation & Impact Award

Zackary Carter Phillips

St. Elizabeth School

Simple Sun Tracking Solar Panels



$100 Society of Environmental Toxicology & Chemistry Award (Laurentian SETAC Chapter)

Ella Sehn
St. Catherine Elementary School

Purifying Chlorinated Water with Carbon

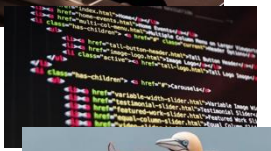
$100 Society of Environmental Toxicology & Chemistry Award (Laurentian SETAC Chapter)

Corbin Kretschmar-Ford
Leo Weiskittel

Kawartha Montessori School

Superfood for Superworms

$200 Ontario Tech Innovation Award



Zackary Carter Phillips
St. Elizabeth School

Simple Sun Tracking Solar Panels

$200 Ontario Tech Innovation Award

Aviraj Sembhi

St. Catherine Elementary School

Exploring the Potential of Machine Learning in Solving Puzzles

$200 Adam Noble Innovation Award

Zackary Carter Phillips

St. Elizabeth School

Simple Sun Tracking Solar Panels

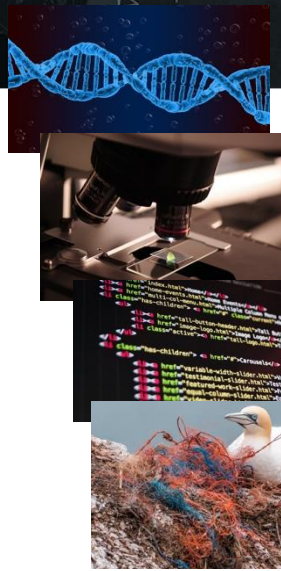
$200 Adam Noble Impact Award

Corbin Kretschmar-Ford
Leo Weiskittel

Kawartha Montessori School

Superfood for Superworms

$1,000 Entrance Scholarship
Trent University
Senior



Elena De Luca
Nate Bennett

East Northumberland Secondary School

ENSS Recycles?

$1,000 Entrance Scholarship
University of Ottawa
Senior

Ava Trefiak
East Northumberland Secondary School

Biodiversity Impacts on Soil Quality

Top School Award - Elementary

The elementary school with the greatest participation in the Fair

Sponsored by Peterborough County Medical Society

Rhema Christian School

Top School Award - High school

The high school with the greatest participation in the Fair

Sponsored by Peterborough County Medical Society

East Northumberland Secondary School

Teacher Awards

Two awards are given to a teacher that stands out as an inspiration to their students to explore science

$100 gift certificate for Shop the Boro

Burke Lush

Queen Mary Public School

Anne Corkery

St. Anne C.E. School

Canada Wide Science Fair Video

Canada Wide Science Fair Grand Prize

$100 4th Place

Trip to Canada-Wide Science Fair sponsored by PRSF

Zackary Carter Phillips (Junior)

St. Elizabeth School

Simple Sun Tracking Solar Panels

$100 3rd Place

Trip to Canada-Wide Science Fair sponsored by PRSF with support from TerrifioMarkr

Elena De Luca (Senior)
Nate Bennett

East Northumberland S.S.

ENSS Recycles?

$100 2nd Place

Sponsored by Dr. Stephanie Rutherford

Trip to Canada-Wide Science Fair Fair sponsored by PRSF with support from BWXT

Isabelle Young (Intermediate)

St. Peter Secondary School

The perfect crime

$200 Best of Fair Kathleen Peacock Award

Sponsored by Ray and Kathleen March

Trip to Canada-Wide Science Fair Fair sponsored by PRSF with support from Noble-Fortune Family

Ava Trefiak (Senior)

East Northumberland Secondary School

Biodiversity Impacts on Soil Quality

Congratulations to all students!

thank you for participating and we hope to see you in April 2024

THANK YOU!
Helena
Bailey
Jordyn
UDAYVIR
Leah
Elsa
Shiven
Madeline
Hannah
Max
Callia
Adeline
Bronwyn
Clara
Geneva
Naomi
From: The A205 science kids