

Peterborough Science Fair 2024 Awards Ceremony





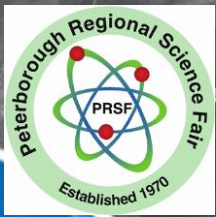
Raffle Prize

Early Bird Registration

\$50 Galaxy Gift Card

Jennifer Scheepers





Guess the Candy winners

1. Samarpan Cheema
2. Emma Cribby

B
D
A
unkspiegelung





PRIMARY K- Grade 3

General Science





Honourable Mentions

Mikka Ogutu-Were

Rhema Christian School

Sun Power

Oliver Feldman Reyes

Queen Elizabeth Public School

How leaky is a bucket made of Lego?



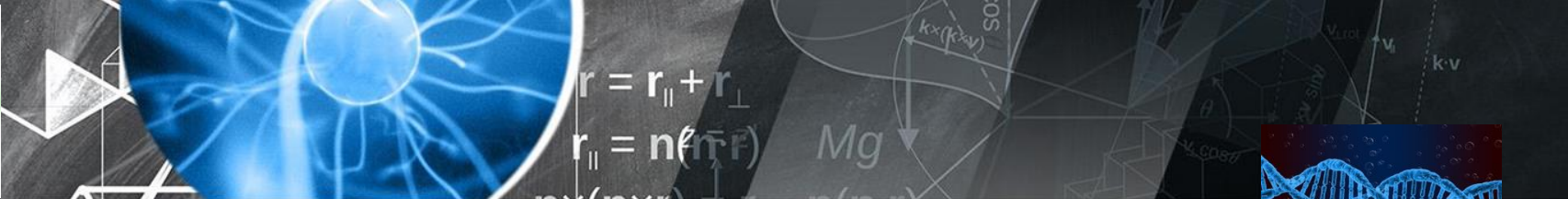
Honourable Mentions

Josie Belanger and Sawyer Belanger
Rhema Christian School

Wet Teck

Autumn Fawcett
Rhema Christian School

Making Concrete



Awards of Excellence

Evelyn Munro and Dominic Savegnago
St. Anne Elementary School

Volcano Eruptions

Jordyn McInroy

Rhema Christian School

What is the effect of exercise on heart rate?



Awards of Excellence

Cora Muir

St. Anne Elementary School

What toothpaste cleans the best?

Taylor McDannold and Samantha Vignarajah

St. Catherine Elementary School

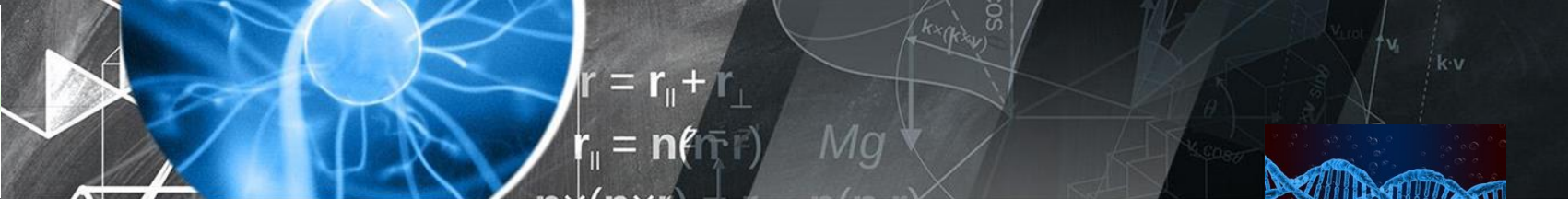
Salted Streams

Roman McPhail

Rhema Christian School

Lego Towers: Shake and Quake





Best Overall

Sage Newland
Home School

Grow with the Rain, Grow with the Tap



Raffle Prizes Primary



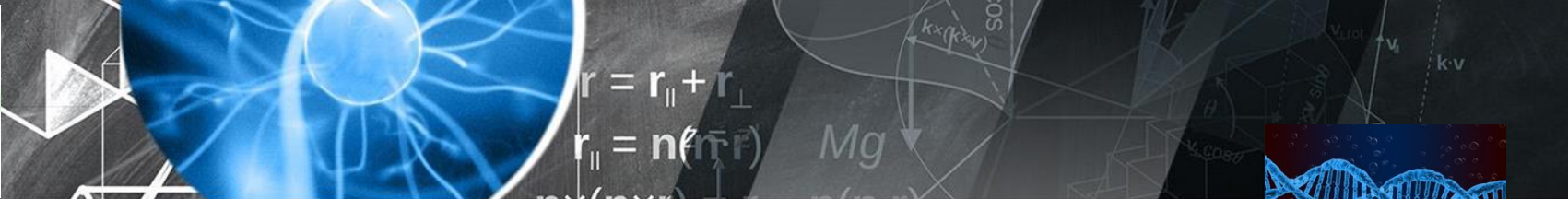


ELEMENTARY

Grades 4 - 6

Biological Science





Honourable Mentions

Jack Matchett

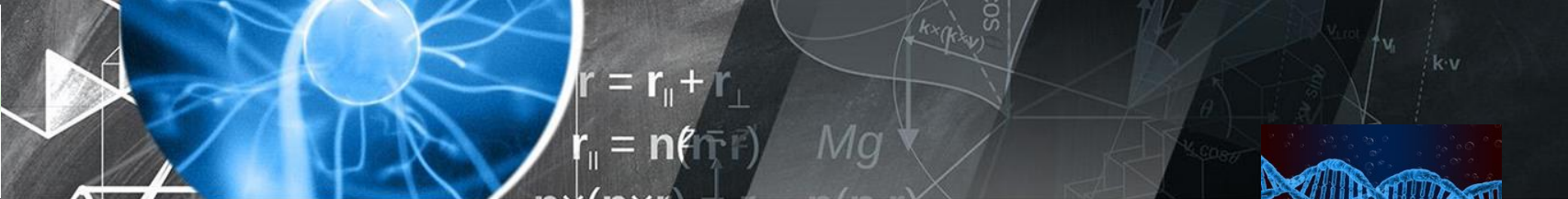
St. Anne Elementary School

Is The Five Second Rule True

Fern Dickinson and Anna Grasswell

St. Anne Elementary School

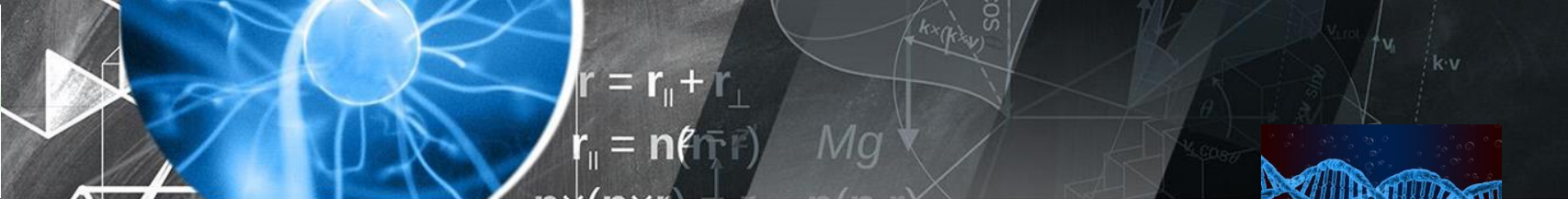
Erosion proof ground covers



Honourable Mentions

Isla Girard and Riley Salo
St. Anne Elementary School
Music to Heart Rate

Andrew Tan
Westmount Public School
Ou sont les germes?



Awards of Excellence

Grace Hur

Westmount Public School

Memory

Joycelyn Kang and Dharma Chantegreil

Westmount Public School

Taste & Senses



Awards of Excellence

Clara Fraser

James Strath Public School

Dog vs. Human: Who has more bacteria?

Jasper Newland

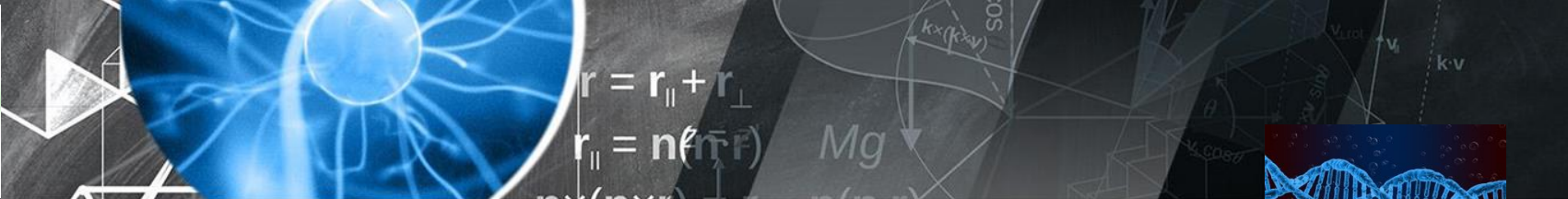
Home School

Race to Report Blue Racers

Alexis Adams

St. Anne Elementary School

Sips and Stains: The impact of drinks on teeth



Best Overall

Grayson Bates

Ecole Catholique Monseigneur Jamot

Behind the Label: The Truth about Sport Drinks



ELEMENTARY

Grades 4 - 6

Physical Science

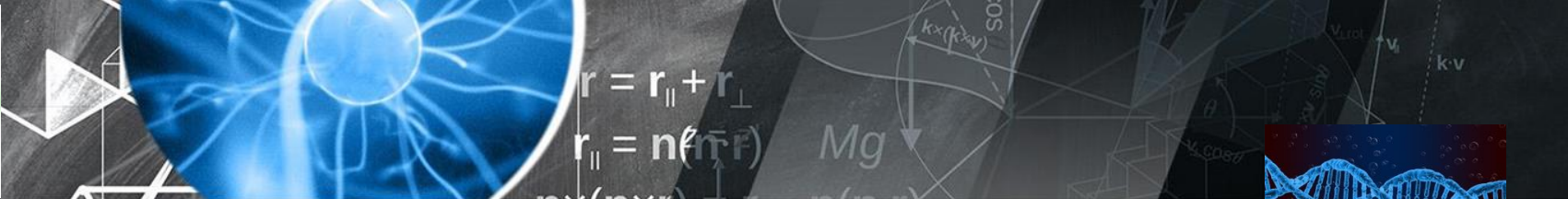




Honourable Mentions

Alexa Truong
James Strath Public School
Growing Sugar Crystals

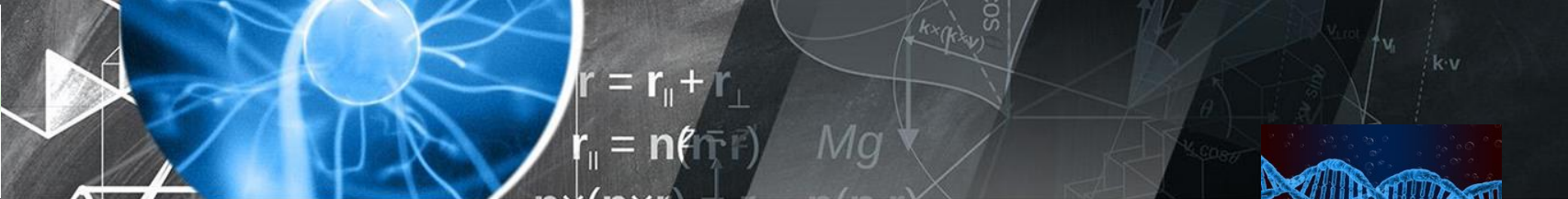
Adeline Zhang
Rhema Christian School
Precious Brine Water



Honourable Mentions

Annabelle DeBlock and Abigail Ahee
Rhema Christian School
Pennies and Liquids

Wesley Clark and Samarpan Cheema
James Strath Public School
BATTERY BATTLE 1v1v1 AAA - The Last One Will Win



Awards of Excellence

Robbie Wade

James Strath Public School

Sand Dollar Science: Which One's Whiter

Audrey Sweeney

Rhema Christian School

Catapult



Awards of Excellence

Isaiah van Berkel

Rhema Christian School

Working with Water

Malachi Ogutu-Were

Rhema Christian School

Rusting Metal

Lucas Patton and Owen Cross

St. Anne Elementary School

The strong bridge



$$\mathbf{r} = r_{\parallel} + r_{\perp}$$
$$r_{\parallel} = n(\hat{\mathbf{r}} \cdot \mathbf{r})$$



Best Overall

Hunter Webb

Edmison Heights Public School

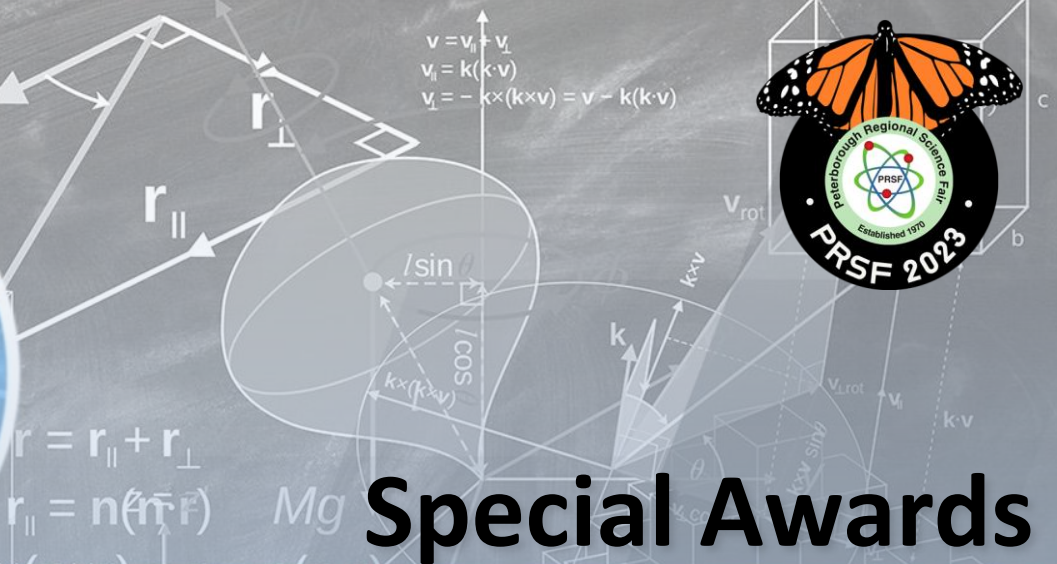


You Spin Me Right Round: The Science of Circus



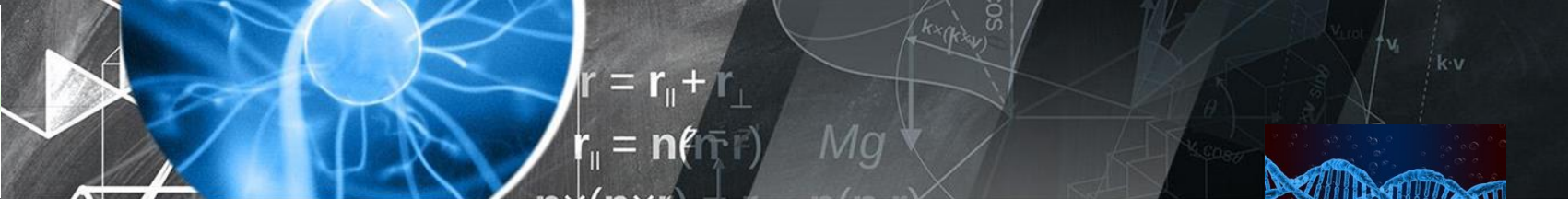
Raffle Prizes Elementary





Special Awards Primary & Elementary





\$25 Random Rookie Award

Primary

Mikka Ogutu-Were

Rhema Christian School

Elementary

Wesley Clark

James Strath Public School



\$40 Peterborough Field Naturalists Award

Elementary

Fern Dickinson and Anna Grasswell

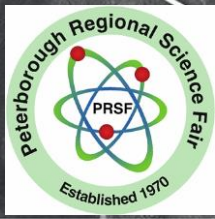
St. Anne Elementary School

Erosion proof ground covers

Jasper Newland

Home School

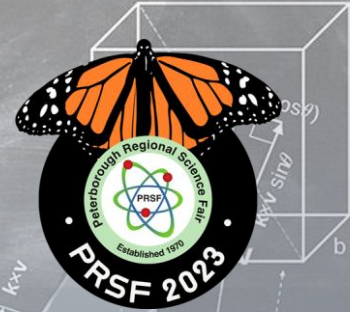
Race to Report Blue Racers



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

Jasper Newland
Home School

Race to Report Blue Racers



Special Awards All Divisions Eligible

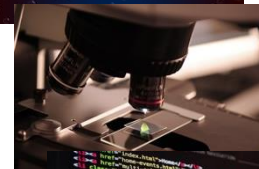




\$50 Community Betterment Award

Sponsored by Chad and Louise Campbell

Tatum DeVille and Kaitlyn Lungley
East Northumberland Secondary School



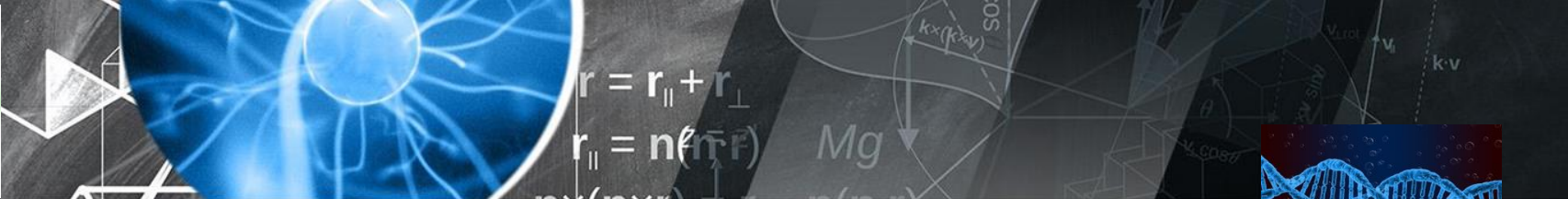
Building A Sustainable Future



\$100 Shaw Computer Systems Award for Energy Management

Eric Persaud-Meraram and Abhiram Vemula
St. Catherine Elementary School

Is blue energy the future



\$100 Peterborough Astronomy Award

Sponsored by the Peterborough Astronomical Association

Ashley Pearson and Dominic Garlick-Rittwage

East Northumberland Secondary School

Best Telescope ever

Keira Thorndyke and Charlotte Fleming

St. Catherine Elementary School

Lightbulb



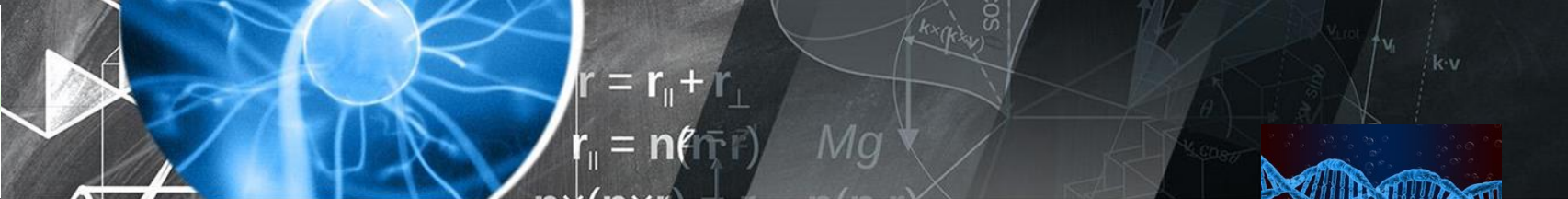


Teacher Awards

Teachers who stand out as an inspiration to their students to explore science
\$100 Boro Gift Card

Brian Armstrong
James Strath Public School

Anne Falla
East Northumberland Secondary School

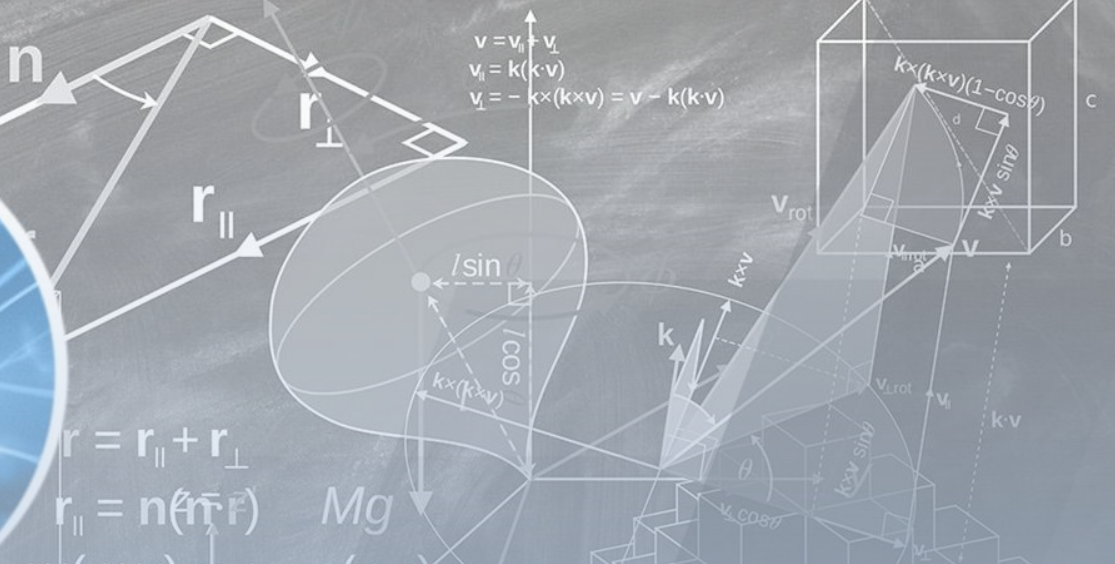


Top School Award

School with the most participants

St. Anne Catholic Elementary School

East Northumberland Secondary School



Junior, Intermediate and Senior Division Awards

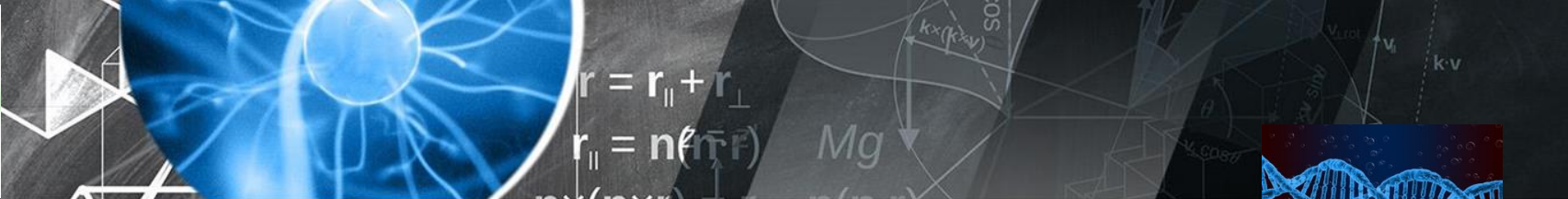




Junior
Grades 7 - 8

Physical & Mathematical Sciences





Honourable Mention

Benjamin Velasquez

Our Lady of The Wayside Catholic School

Can I Soften Butter Without Melting It



Third

Teresa Poland
Our Lady of The Wayside Catholic School

The Science of baking



Second

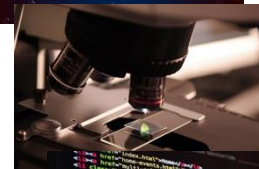
Lilah Sampson and Sienna Lott
St. Paul Elementary School

Best Cleaning Detergent



First

Emmitt O'Brien
St. Paul Elementary School



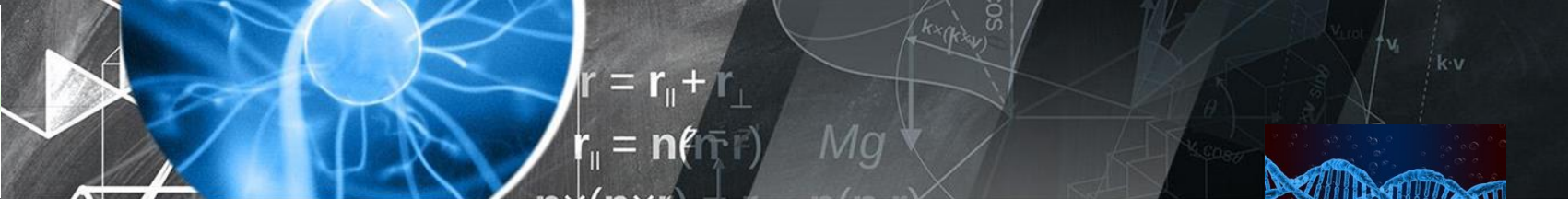
"Watt" Makes A Food Battery"?



Junior
Grades 7 - 8

Health & Life Sciences



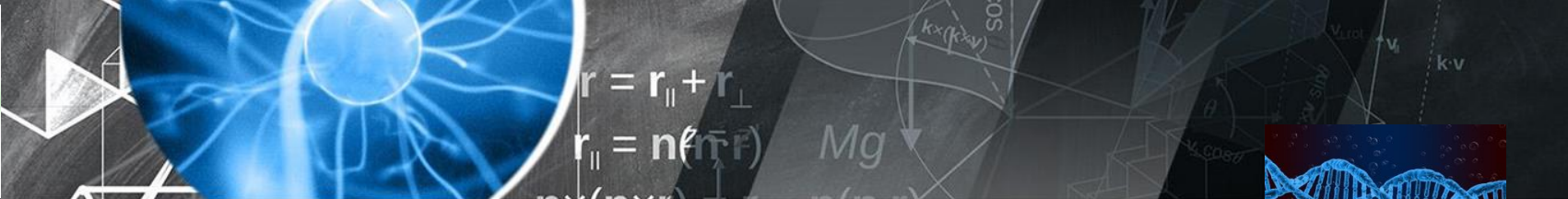


Honourable Mention

Amiyah Gentle

St. Paul Elementary School

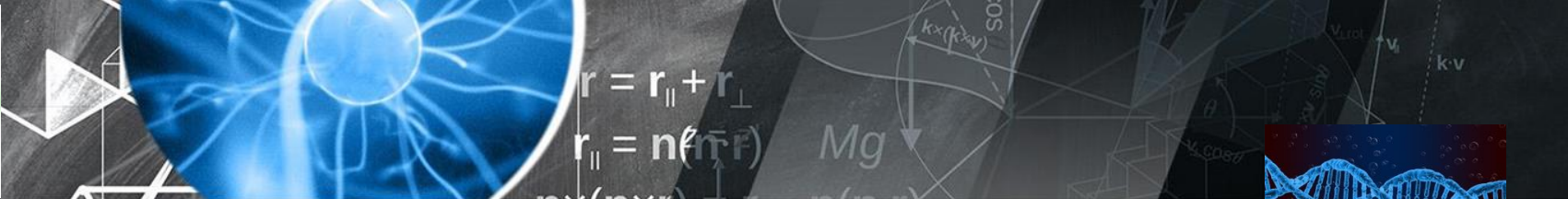
How Senses Help With Studying



Third

Pazlie Flagler and Sara Cockburn
St. Paul Elementary School

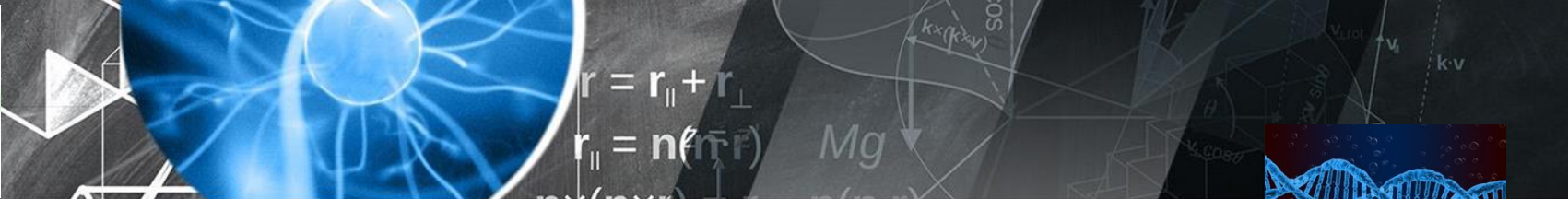
The Best Way to get Germs off your Hands



Second

Kayley Carter Phillips
St. Elizabeth School

Addition of Triz-EDTA to topical antibiotics



First - Dr. Agnes Moffat-Magee Award

Sponsored by Canadian Federation of University Women

Ella Baklinski

Our Lady of The Wayside Catholic School

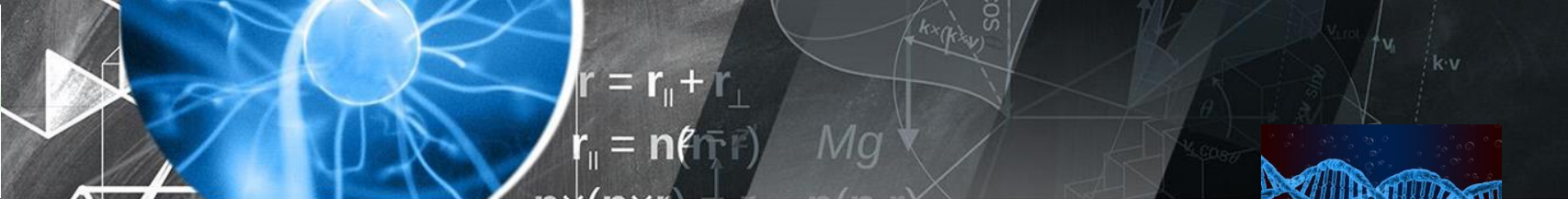
Myopic lenses' effects on a child



Junior
Grades 7 - 8

Earth & Environmental Sciences





Honourable Mention

Angelo Berlingeri
Home School

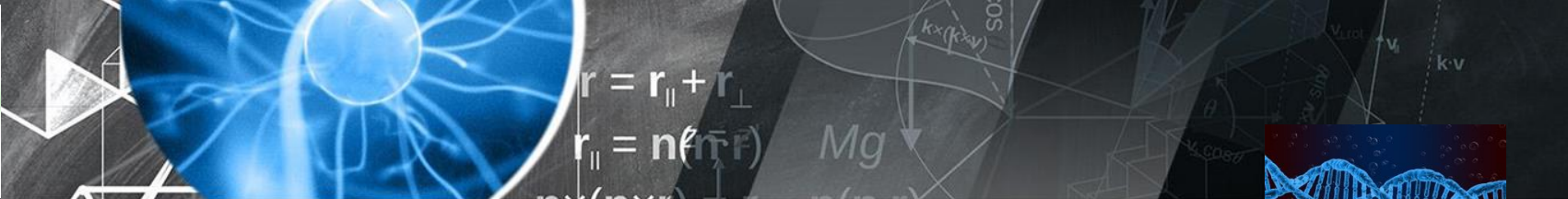
Maximizing Woodstove Heat



Third

Colby Cavanagh and Zach Cockburn
St. Paul Elementary School

Filtration Methods

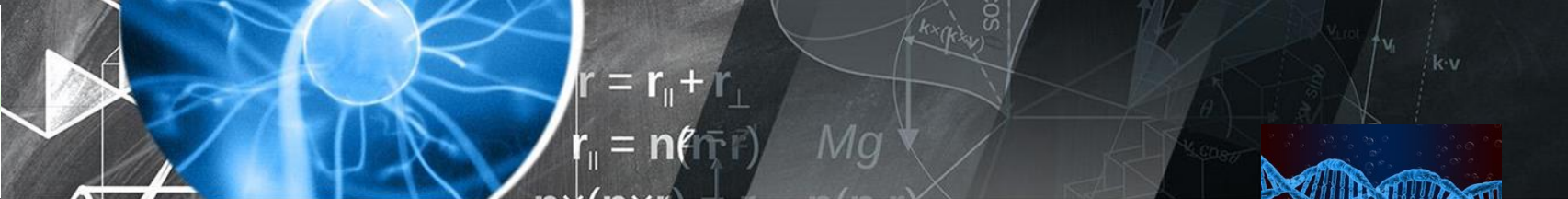


Second

Pearl MacGregor

Our Lady of The Wayside Catholic School

Well Well Well: Water Quality in Peterborough County

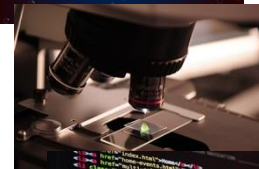


First – Thomas Howard Award

Sponsored by Dorothy Howard-Gill

Claire Jalsevac

Our Lady of The Wayside Catholic School



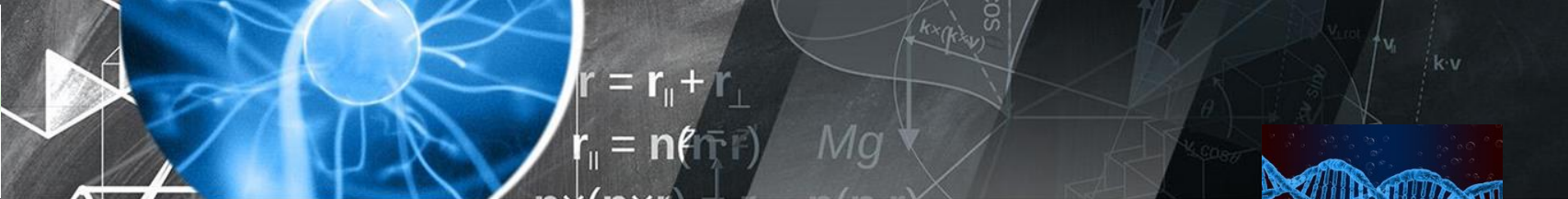
Testing and Comparing Water Samples from Rainwater, Aquifer and Tap Water



Junior
Grades 7 - 8

Computing & Engineering Sciences

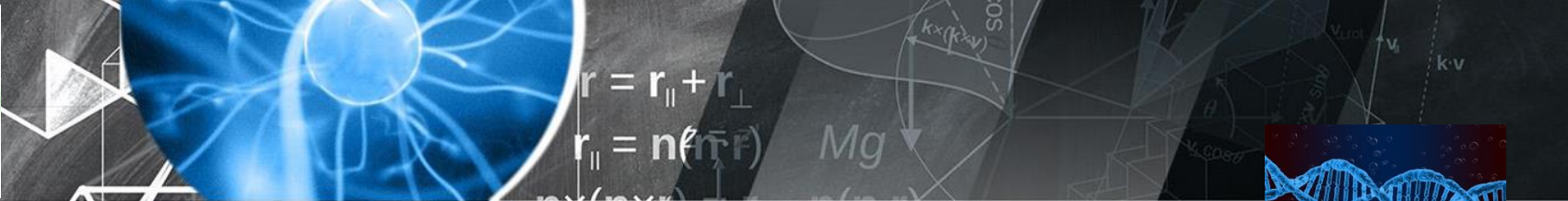
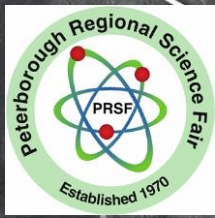




Honourable Mention

Liam Robertson and Patrick Moyer
St. Paul Elementary School

Can an Amateur Code a Video Game?

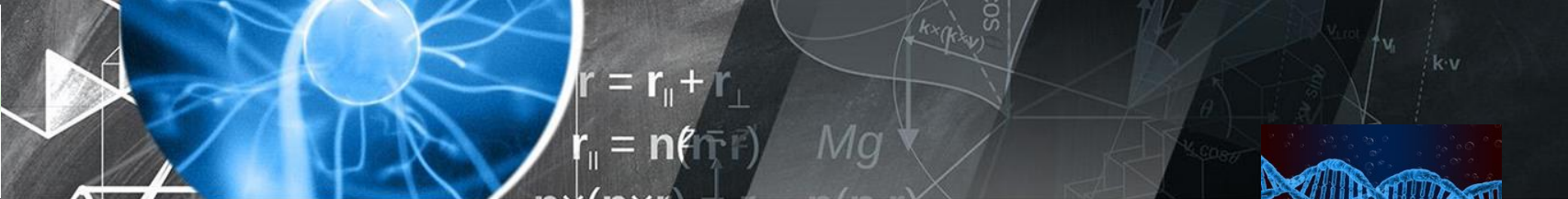


Third

Sponsored by the Institute of Electrical and Electronics Engineers

Saad Alherish
Kaawaate East City Public School

Solar battery!



Second

Sponsored by the Institute of Electrical and Electronics Engineers

Alex Sytnyk

Our Lady of The Wayside Catholic School



Bridging the Gap



First

Sponsored by the Institute of Electrical and Electronics Engineers

Nathan Li and Andrew Ding
Adam Scott Intermediate School

Robotics: Scan and Delivery



Raffle Prizes Junior

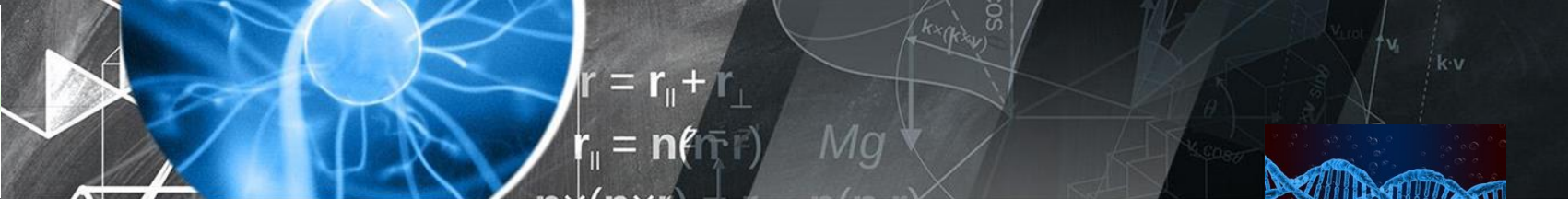




Intermediate Grades 9 - 10

Physical & Mathematical Sciences





Second

Sponsored by Organization Name

Victoria Fraser and Aaron Davis
East Northumberland Secondary School

Rock Candy

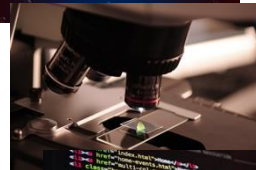


First

Sponsored by Organization Name

Joseph Leahy

Our Lady of The Wayside Catholic School



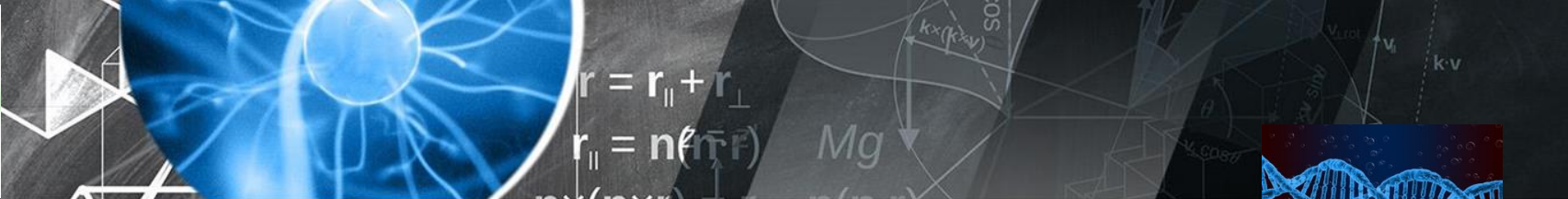
Are they Worth it? Do Expensive Golf Balls Travel Further than their Cheaper Counterparts?



Intermediate Grades 9 - 10

Health & Life Sciences



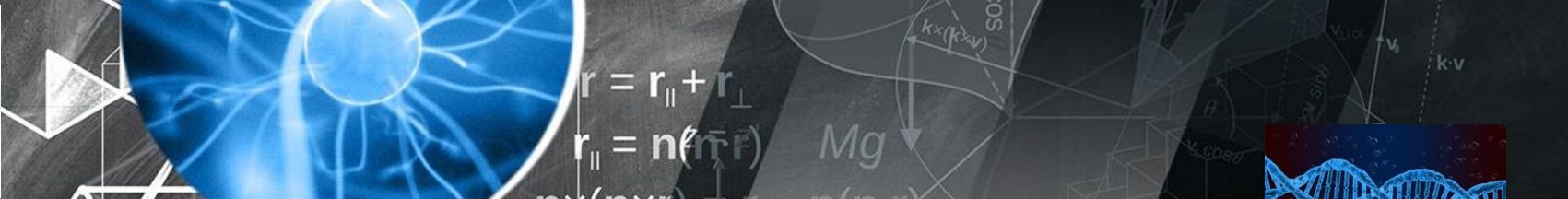


Honourable Mention

David Connell

Our Lady of The Wayside Catholic School

Most Efficient Way to Memorize



Third

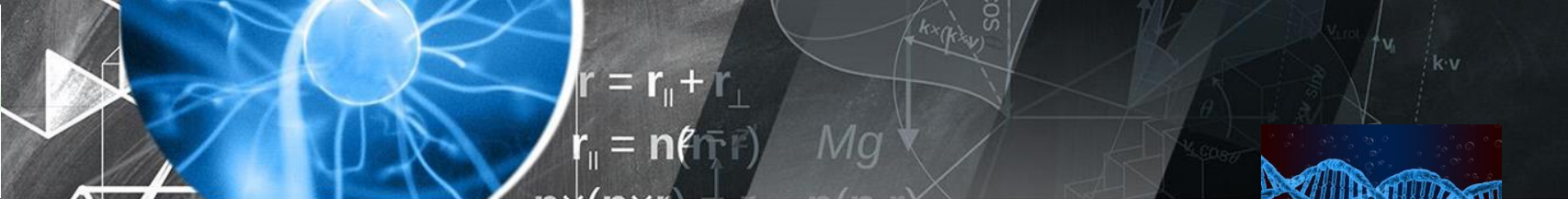
Sponsored by Ontario Power Generation

Violet Atkinson

East Northumberland Secondary School



Teenagers and Nicotine: Enablers of a Century



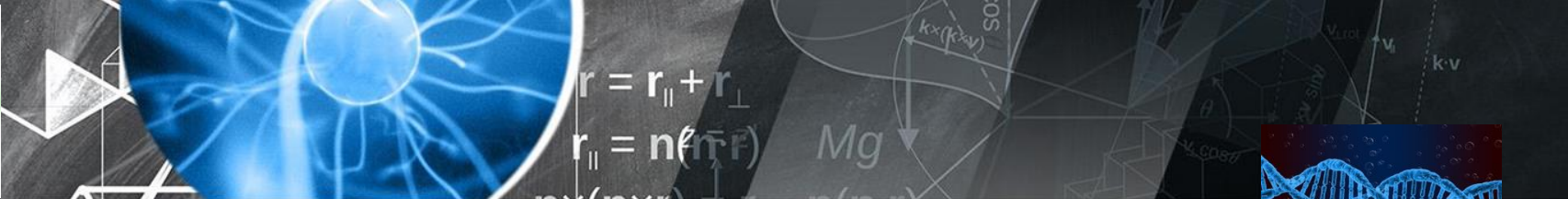
Second

Sponsored by Ontario Power Generation

Robert MacGregor

Our Lady of The Wayside Catholic School

The Science of Singing



First

Sponsored by Ontario Power Generation

Ella Sehn

St. Peter Secondary School



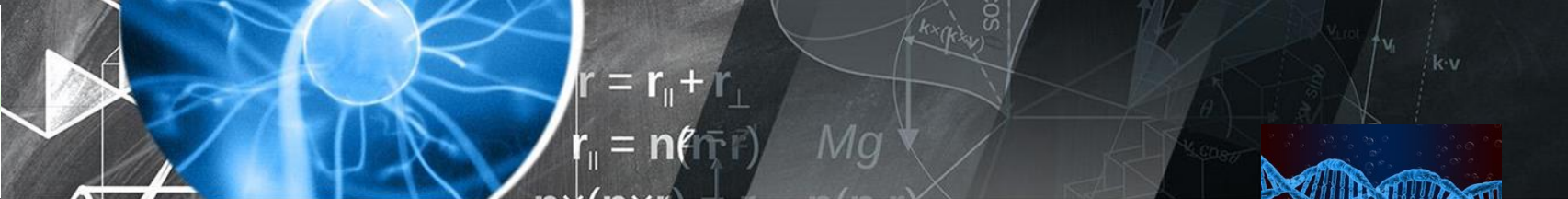
Right on the Nose: Using a Super-Absorbent Polymer to Improve Treatment of Chronic Sinusitis



Intermediate Grades 9 - 10

Earth & Environmental Sciences





Honourable Mention

Sophia Shulyarenko
IE Weldon Secondary School

Human Impact On Bodies Of Water



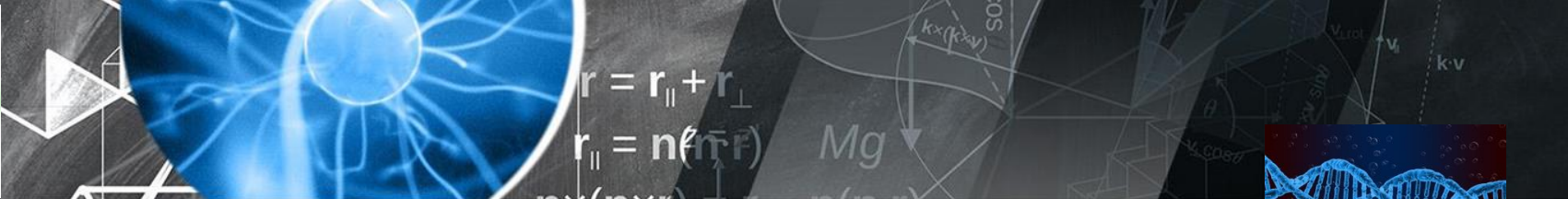
Third

Sponsored by the Otonabee Regional Conservation Authority

Heidi Westbye

St. Peter Secondary School

The Effect of Canadian Winters on the Temperatures, Activity, and Population in Beehives.



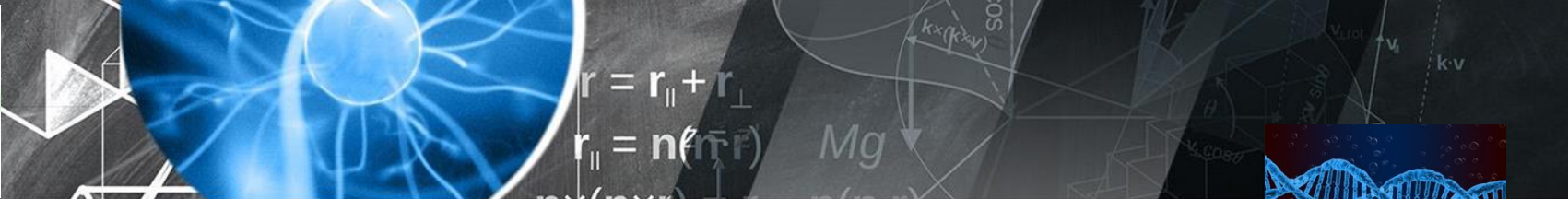
Second

Sponsored by the Otonabee Regional Conservation Authority

Rachel Pei

Our Lady of The Wayside Catholic School

How Does Farm Fertilizer Affect Lake Life?



First

Sponsored by the Otonabee Regional Conservation Authority

Katherine Guan and Gregory Murray
IE Weldon Secondary School

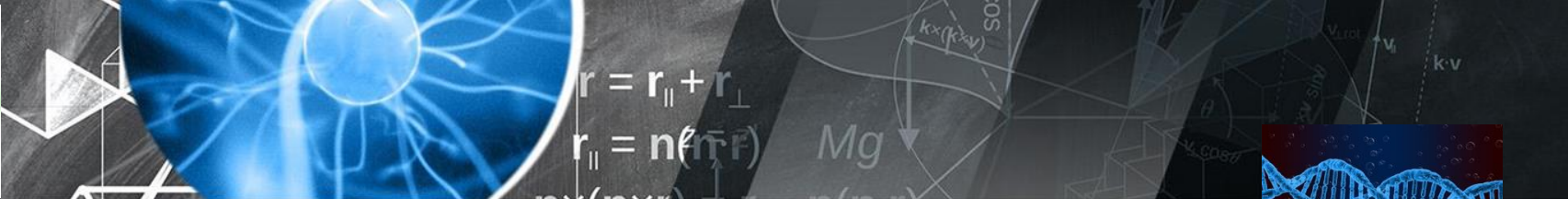
What is the correlation between ammonium polyphosphate concentration in the Scugog River and Chlamydomonas' growth rate?



Intermediate Grades 9 - 10

Computing & Engineering Sciences



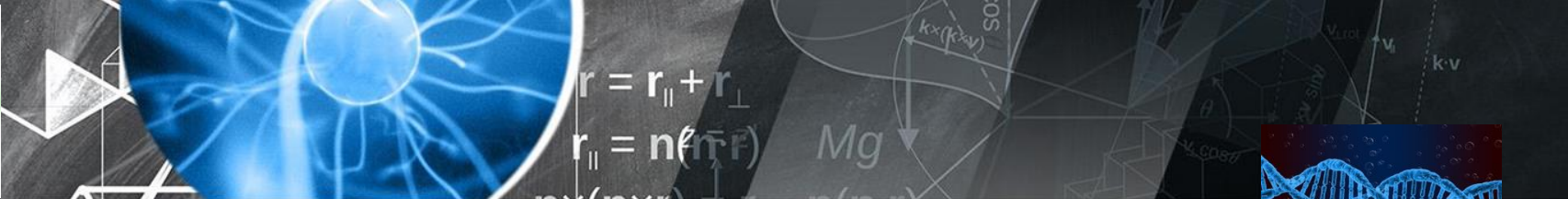


Honourable Mention

Ashley Pearson and Dominic Garlick-Rittwage
East Northumberland Secondary School

Best Telescope ever





Third

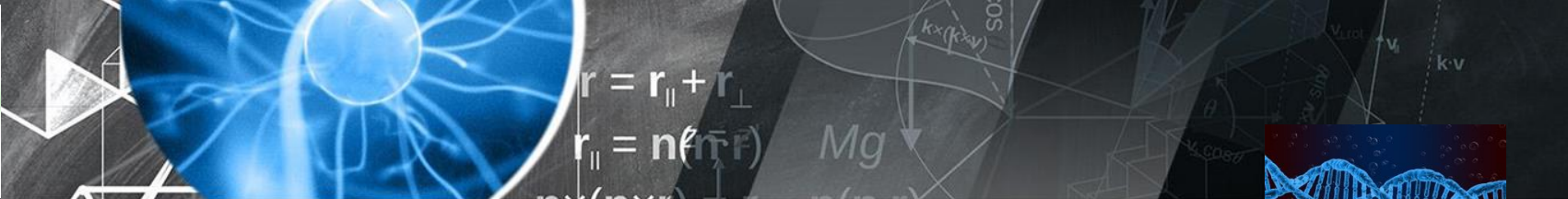
Sponsored by BWXT

Isaiah Jalsevac

Our Lady of The Wayside Catholic School



How good are humans at recognizing AI?



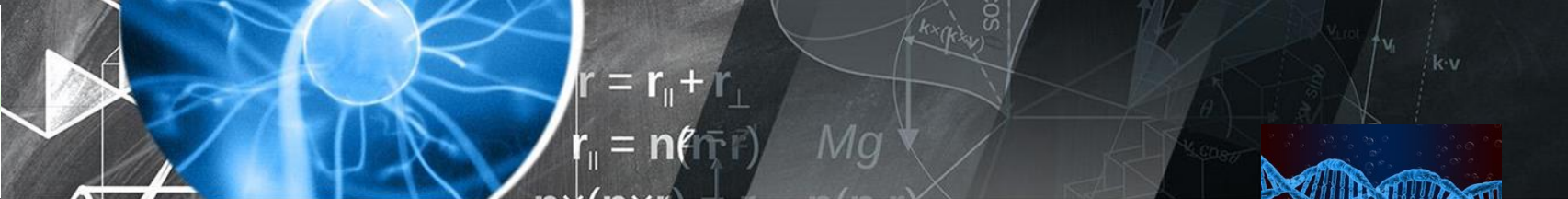
Second

Sponsored by BWXT

Alex Beaubien

St. Peter Secondary School

Code Combat: AI vs Human



First

Sponsored by BWXT

Isabelle Young

St. Peter Secondary School



Budget Friendly Biotech: Designing a low-cost PCR machine



Raffle Prizes Intermediate





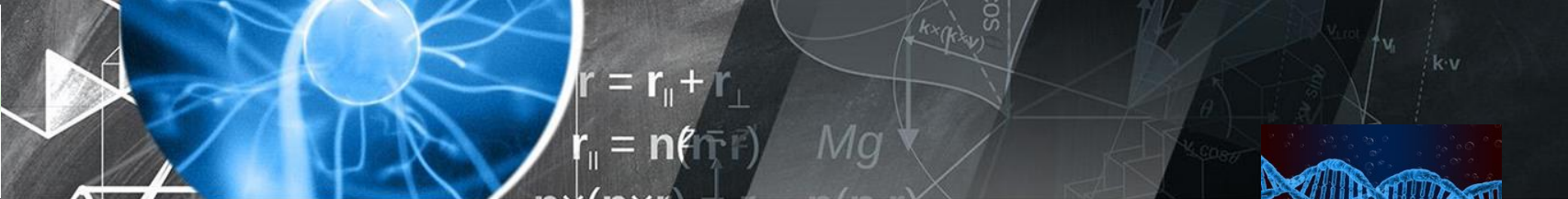
Senior
Grades 10 - 12

Physical & Mathematical Sciences

$r = r_{||}$
 $r_{||} = n$
 $n \times (n \times r)$

B A
 D
Punktspiegelung



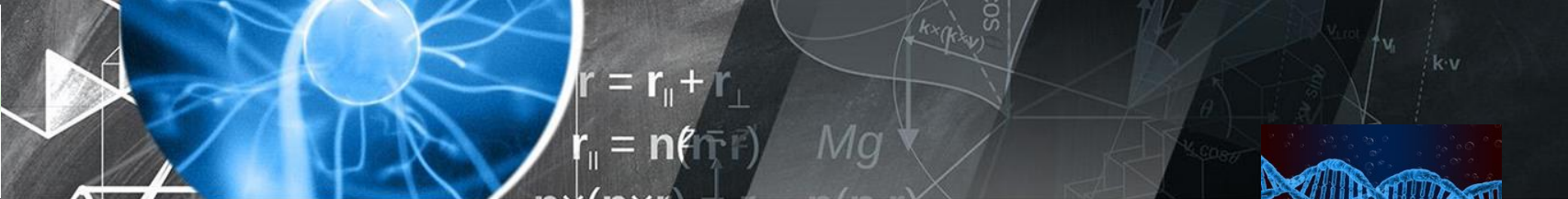


Second

Sponsored by Trent University Chemistry Department

Yuyang Chen
Lakefield College School

Digital Asset Price Prediction



First

Sponsored by Trent University Chemistry Department

Hansen Chen
Lakefield College School

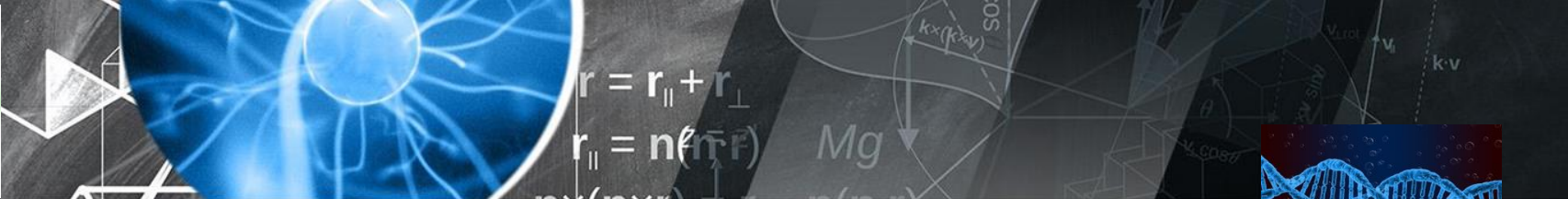
Envisioning Sailing Dynamics: Harnessing Computational Fluid Dynamics (CFD) for Enhanced Sailing Performance



Senior
Grades 10 - 12

Health & Life Sciences





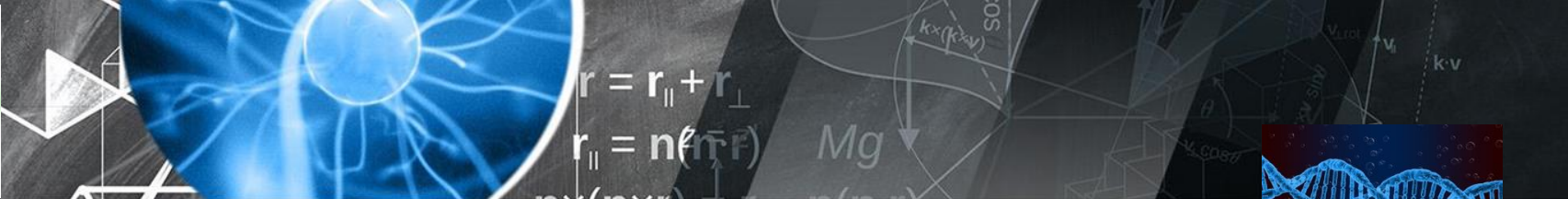
Third

Sponsored by Ontario Power Generation

Diane Gillispie and Ashley Jones
Port Hope High School

Pawsitive Preferences: Investigating Paw Preference in Dogs and Cats and Its Influence on Activity Level





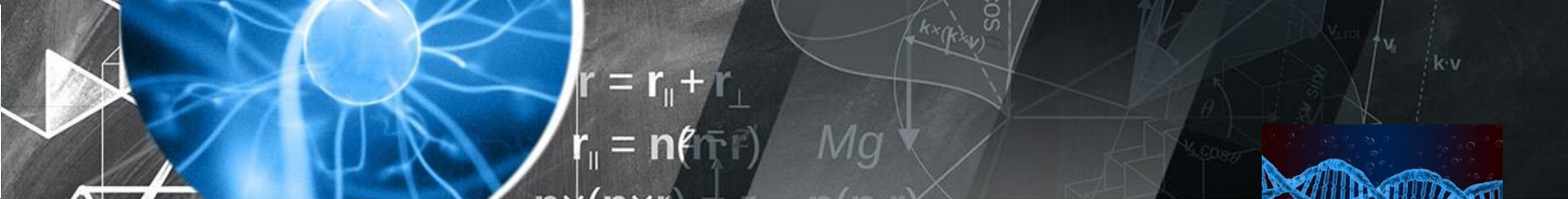
Second

Sponsored by Ontario Power Generation

Morgan McConville and Kylee Chamberlain
Port Hope High School



The Effects of Dogs on Mental Health



First

Sponsored by Ontario Power Generation

Emma Cribby and Kira Schuller
Port Hope High School

Harmony and Health - The Influence of Music on Stress Levels



Senior
Grades 10 - 12

Earth & Environmental Sciences





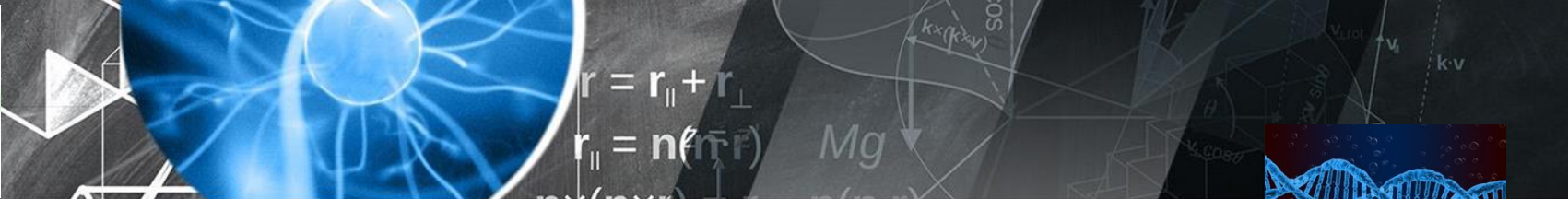
Second

Sponsored by the Rotary Environmental INNOVATORS Fund

Callie Fobear and August Nadolny
East Northumberland Secondary School



Plastic Pollution - A Comfy Solution



First

Sponsored by the Rotary Environmental INNOVATORS Fund

Tatum DeVille and Kaitlyn Lungley East
Northumberland Secondary School

Building A Sustainable Future



Senior
Grades 10 - 12

Computing & Engineering Sciences





First

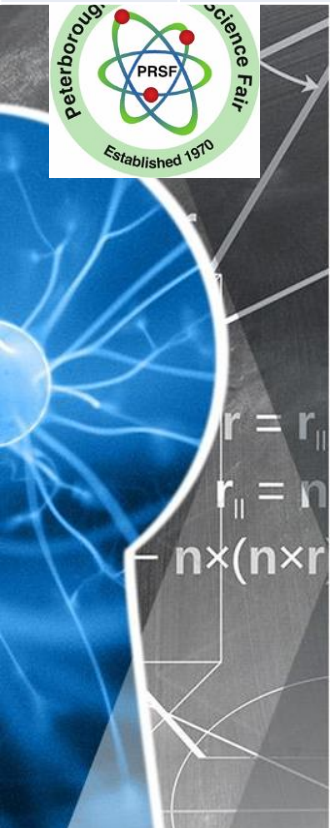
Sponsored by BWXT

Aidan Miklos and Eddie Morrison East
Northumberland Secondary School

*Communicating in a technological world: how the Internet
accelerates the fragmentation of language*



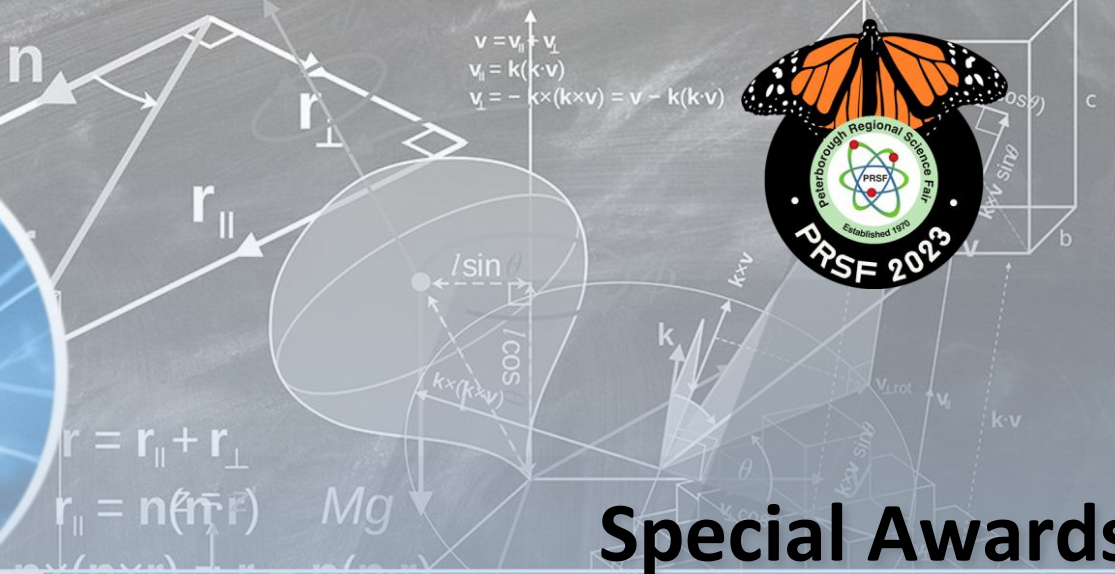
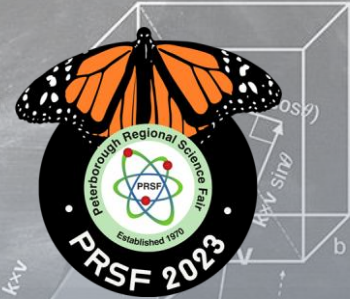
Raffle Prizes Senior



$r = r_{||}$
 $r_{||} = n$
 $n \times (n \times r)$

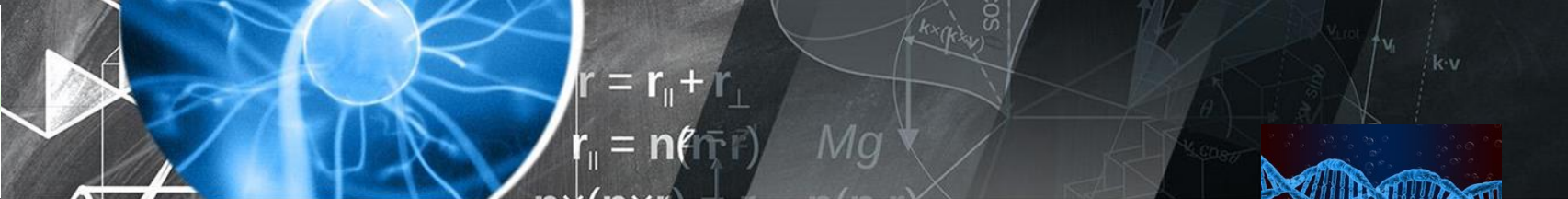
Spunkspiegelung





Special Awards Junior, Intermediate and Senior





\$25 Random Rookie Award

Junior

Corinne Moor

Adam Scott Intermediate School

Intermediate

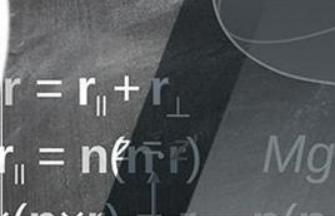
Maggie Dunford

Adam Scott Intermediate School

Senior

August Nadolny

East Northumberland Secondary School



\$40 Peterborough Field Naturalists Award (2)

Hunter Simpkins

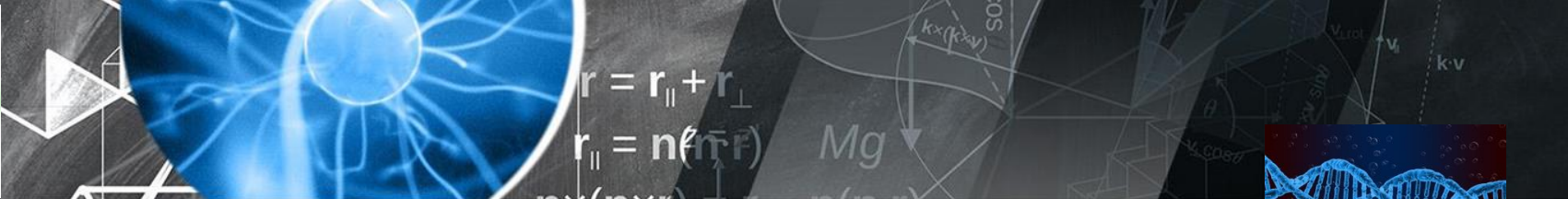
Adam Scott Intermediate School

Lake Health vs Humans-50 years then and now, what will happen?

Rachel Pei

Our Lady of The Wayside Catholic School

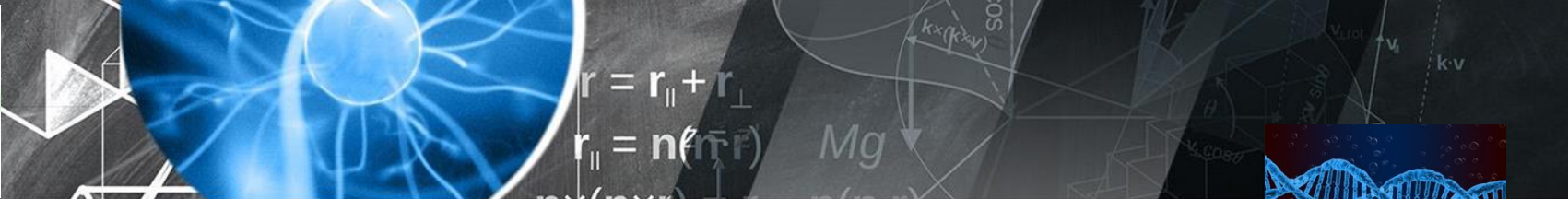
How Does Farm Fertilizer Affect Lake Life?



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

Katherine Guan and Gregory Murray
IE Weldon Secondary School

What is the correlation between ammonium polyphosphate concentration in the Scugog River and Chlamydomonas' growth rate?

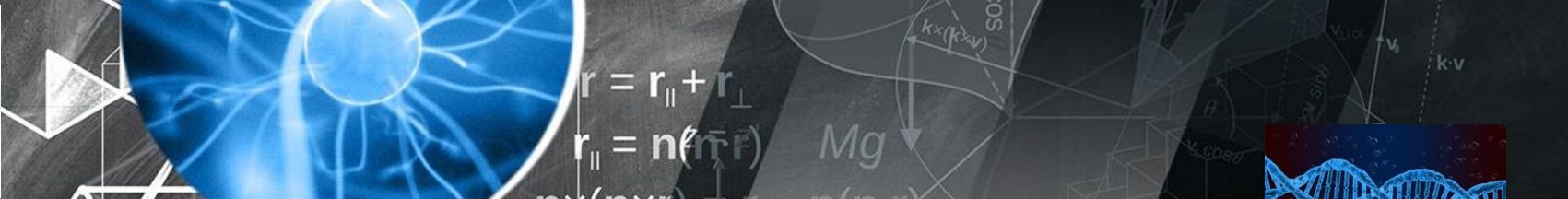


\$100 Sanofi Biogenius Award

Claire Sehn

St. Catherine Elementary School

Retain the Rain! Using Hydrogel to Mitigate Drought Disaster on Ontario-Grown Crops

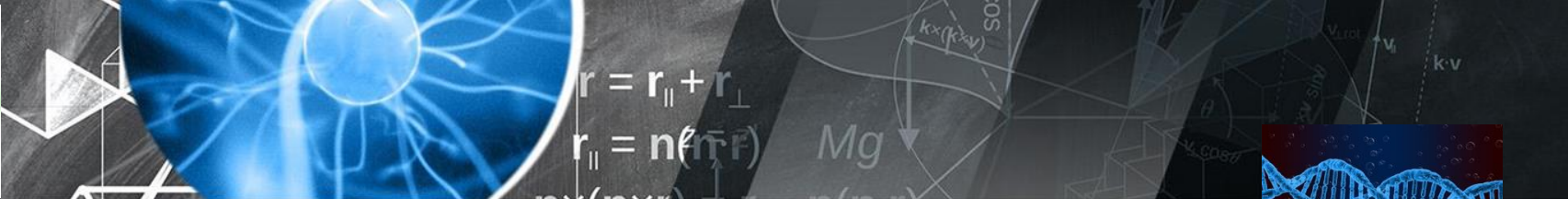


\$100 Trent School of the Environment Award

Earth and Environmental Sciences

Katherine Guan and Gregory Murray
IE Weldon Secondary School

What is the correlation between ammonium polyphosphate concentration in the Scugog River and Chlamydomonas' growth rate?



\$100 Luc C. Matteau Award

Sponsored by Institute of Electrical and Electronic Engineers

Saad Alherish

Kaawaate East City Public School

Solar battery!



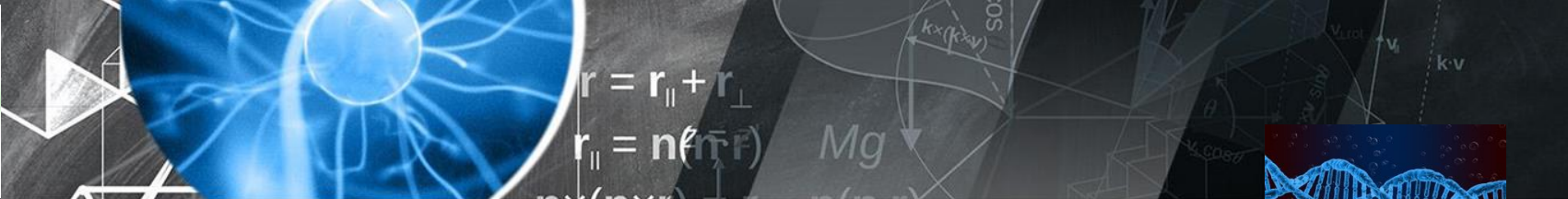
\$100 Rolls-Royce Award

Physical Science

Isabelle Young

St. Peter Secondary School

Budget Friendly Biotech: Designing a low-cost PCR machine



\$150 Professional Engineers of Ontario Peterborough Section -

Innovation & Impact Award

Isabelle Young

St. Peter Secondary School

Budget Friendly Biotech: Designing a low-cost PCR machine

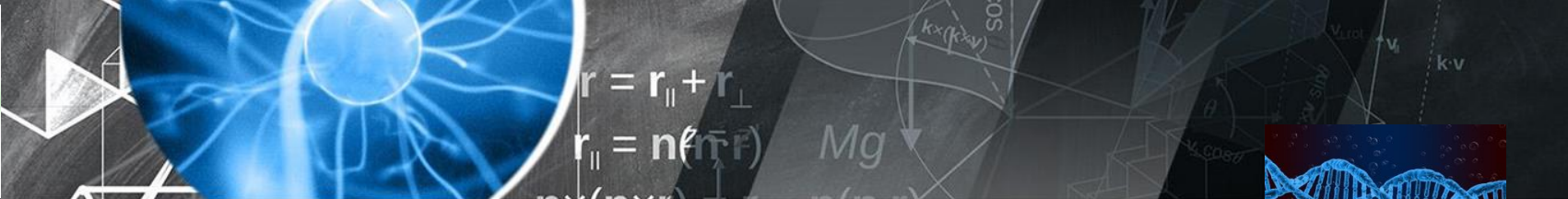


\$100 Water Environment Association of Ontario Award (2)

Colby Cavanagh and Zach Cockburn
St. Paul Elementary School
Filtration Methods

Katherine Guan and Gregory Murray
IE Weldon Secondary School

What is the correlation between ammonium polyphosphate concentration in the Scugog River and Chlamydomonas' growth rate?



\$200 Mapleview Farms (2)

Health and Life Sciences

Ella Sehn

St. Peter Secondary School

Right on the Nose: Using a Super-Absorbent Polymer to Improve Treatment of Chronic Sinusitis

Jade Baik and Payton Slimmon

East Northumberland Secondary School

Psychology of Loneliness

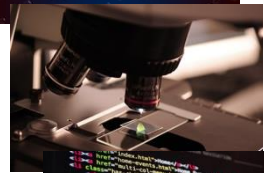


\$250 Otonabee Region Conservation Authority Award for Environmental Excellence Junior Earth and Environmental

Claire Sehn

St. Catherine Elementary School

Retain the Rain! Using Hydrogel to Mitigate Drought Disaster on Ontario-Grown Crops



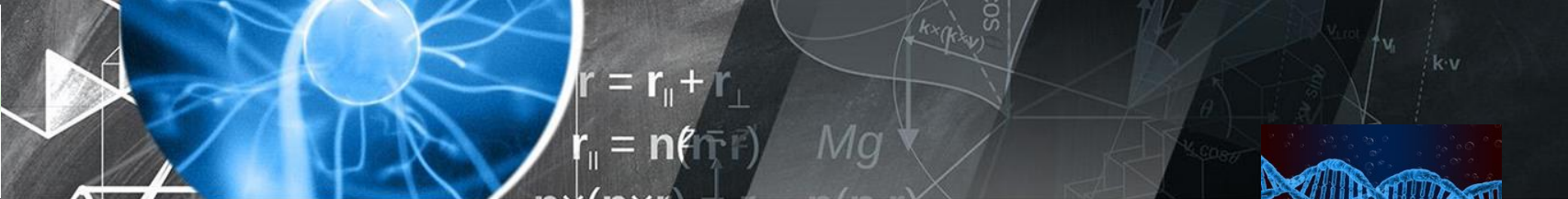
\$200 Society of Environmental Toxicology & Chemistry Award (Laurentian SETAC Chapter) (2)

Sophia Shulyarenko
IE Weldon Secondary School
Human Impact On Bodies Of Water

Hunter Simpkins

Adam Scott Intermediate School

Lake Health vs Humans-50 years then and now, what will happen?



\$400 Ontario Tech Innovation Award (2)

Aidan Miklos and Eddie Morrison

East Northumberland Secondary School

Communicating in a technological world: how the Internet accelerates the fragmentation of language

Hansen Chen

Lakefield College School

Envisioning Sailing Dynamics: Harnessing Computational Fluid Dynamics (CFD) for Enhanced Sailing Performance



\$1,000 Entrance Scholarship University of Ottawa Senior

Aidan Miklos and Eddie Morrison
East Northumberland Secondary School

Communicating in a technological world: how the Internet accelerates the fragmentation of language



\$1,000 Entrance Scholarship Trent University Senior

Hansen Chen
Lakefield College School

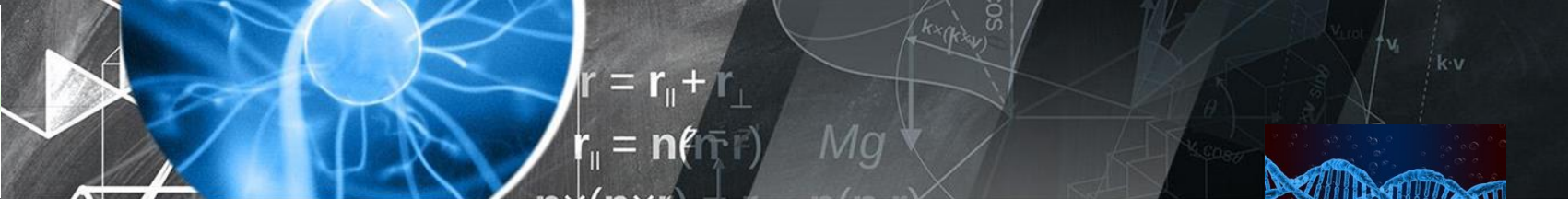


Envisioning Sailing Dynamics: Harnessing Computational Fluid Dynamics (CFD) for Enhanced Sailing Performance



Canada-Wide Science Fair Grand Prizes





\$100 3rd Place

Trip to Canada-Wide Science Fair sponsored by PRSF

Kayley Carter Phillips
St. Elizabeth School

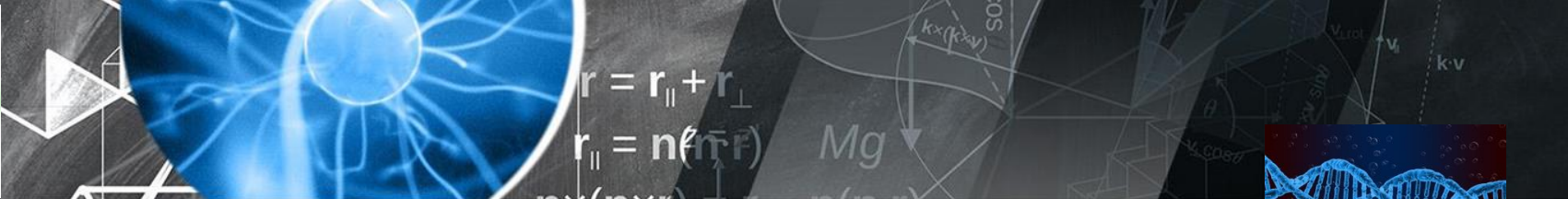
Addition of Triz-EDTA to topical antibiotics



\$150 2nd sponsored by Dr. Stephanie Rutherford
Trip to Canada-Wide Science Fair sponsored by PRSF & BWXT

Hansen Chen
Lakefield College School

Envisioning Sailing Dynamics: Harnessing Computational Fluid Dynamics (CFD) for Enhanced Sailing Performance



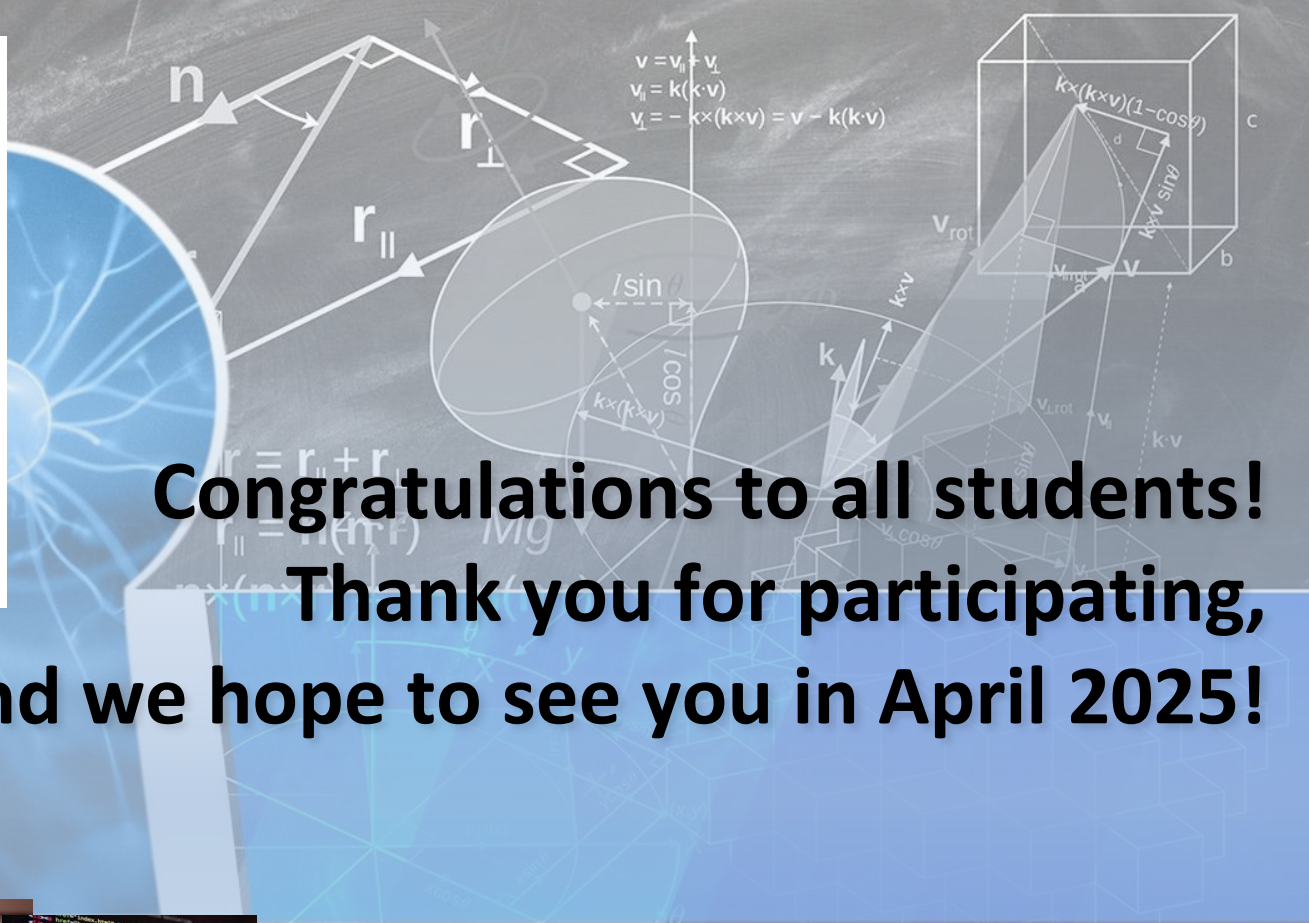
\$200 Best of Fair Kathleen Peacock Award

Trip to Canada-Wide Science Fair sponsored by PRSF

Ella Sehn

St. Peter Secondary School

Right on the Nose: Using a Super-Absorbent Polymer to Improve Treatment of Chronic Sinusitis



Congratulations to all students!
Thank you for participating,
and we hope to see you in April 2025!

