

Simcoe County Regional Science and Technology Fair 2021 Results



Special Awards

Future Scientist Award

Sponsored by: Simcoe County Regional Science and Technology Fair Committee

Boxmong Us

Student: Gabriel Fowler School: Goodfellow P. S.

Eric Goodall Award

Sponsored by: Simcoe County Regional Science and Technology Fair Committee

Pill Dispenser Advanced

Student: Artur Kalyadin School: Pretty River Academy

Barrie Computer and Technology Club Award

Sponsored by: Barrie Computer and Technology Club

The Oni Shovel You Need!

Student: Rowan Cunningham School: Pretty River Academy

Energy Conservation and Renewable Energy Award

Sponsored by: Simcoe County Regional Science and Technology Fair Committee

Water Works

Student: Claire Mantrop School: Pretty River Academy

Tiffin Environmental Research Award

Sponsored by: Nottawasaga Valley Conservation Authority

Ecowall

Student: Kyle Burns School: Pretty River Academy

Dufferin Simcoe Land Stewardship Network Award

Sponsored by: Dufferin Simcoe Land Stewardship Network

Post Wildfire Forest Reboot Kit

Student: Ariel White School: Pretty River Academy

The Marty Lancaster Green Award

Sponsored by: Marty Lancaster

Miraculous Milkweed

Student: Nathan Crank School: St. Monica's E. S.

Simcoe County Regional Science and Technology Fair 2021 Results



Special Awards (continued)

Sidrat Research Design Award for Effective Science Presentation

Sponsored by: Sidrat Research

Silicate Solutions: Testing the Effects of Mineral Silicate Paint as an Insulation

Student: Emma Palmer

School: Pretty River Academy

McKnight Charron Limited Architects Award

Sponsored by: McKnight Charron Limited Architects

The Future of Fiber Composites

Student: Samuel Burnett

School: Pretty River Academy

Honda Canada Automotive Award - 2 Prizes Awarded

Sponsored by: Honda of Canada Mfg.

Wheel It Brake?

Student: Deacon Maney

School: Pretty River Academy

Chunk A' Nut

Student: Jenna McCannell

School: Pretty River Academy

OACETT Engineering Technology Award (Gr. 5/6)

Sponsored by: OACETT - Georgian Bay Chapter

UP IN SMOKE!

Student: Charlotte Ross

School: Pretty River Academy

OACETT Engineering Technology Award (Gr. 7/8)

Sponsored by: OACETT - Georgian Bay Chapter

Flex Sensors In VR

Student: Rory Cohen

School: Pretty River Academy

Georgian College Health and Wellness Award (Elementary)

Sponsored by: Georgian College - Health, Wellness, and Sciences

Talking with the Oldies

Student: Molly Mantrop

School: Pretty River Academy

Georgian College Health and Wellness Award

Sponsored by: Georgian College - Health, Wellness, and Sciences

The Pandemic Through The Eyes Of The Ages

Student: Meghan Beattie

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Special Awards (continued)

Georgian College Biotechnology Award

Sponsored by: Georgian College - Health, Wellness, and Sciences

Can Bacteria get a Suntan?

Student: Kendall Dueck

School: Pretty River Academy

Georgian College Admissions Scholarship

Sponsored by: Georgian College - Advancement and Alumni Relations

The Future of Fiber Composite

Student: Samuel Burnett

School: Pretty River Academy

University of Ottawa Entrance Scholarship

Sponsored by: University of Ottawa

A Novel Approach to 'Green' Energy: The Investigation of DC Voltage in Tomato Plants

Student: Emily Goodson

School: Banting Memorial H. S.

Dr. Donald N Philip Prize

Sponsored by: Dr. Don Philip

The-Mask-Meter

Student: Jeremy Cheuk Hin Chan School: W. H. Day E. S.

Dr. Mary L Ellins Memorial Award

Sponsored by: Dr. Don Philip

Do Electronics Emit Harmful Levels of Radiation?

Student: Cyrus Shobeir

School: Ferndale Woods E.S.

Barrie Mayor's Award for Community Improvement

Sponsored by: City of Barrie Mayor's Office

Bioflex: Pothole Solution

Student: Jack Armstrong

School: Pretty River Academy

Ted Rogers Innovation Award

Sponsored by: Rogers Communications Inc.

Smart Sorter

Student: Sia Mehta

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Special Awards (continued)

Professional Engineers of Ontario (Simcoe Muskoka Chapter) Award (Elementary)

Sponsored by: Professional Engineers of Ontario (Simcoe Muskoka Chapter)

Bioflex: Pothole Solution

Student: Jack Armstrong

School: Pretty River Academy

Professional Engineers of Ontario (Simcoe Muskoka Chapter) Award (Junior)

Sponsored by: Professional Engineers of Ontario (Simcoe Muskoka Chapter)

A new renewable source of energy, Colours!

Student: Adrit Panda

School: Codrington P.S.

Linear Transfer Automation Award (Elementary)

Sponsored by: Linear Transfer Automation, Inc.

How do objects affect signal strength? (of wifi)

Student: Lucas Pallen

School: Ferndale Woods E.S.

Linear Transfer Automation Award (Junior)

Sponsored by: Linear Transfer Automation, Inc.

Which Hydraulic Machine is Stronger?

Students: Gavin DiGiulio and Xavier Price

School: St. Francis of Assisi

Linear Transfer Automation Award (Intermediate/Senior)

Sponsored by: Linear Transfer Automation, Inc.

UAV Natural Disaster Detection and Human Search - Eagle i

Student: Rohan Mehta

School: Pretty River Academy

NSERC Young Innovator Award

Sponsored by: NSERC

This prize is shared among all students selected to our CWSF team to help offset their competition fees.

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Plant and Animal Sciences

Intermediate

Silver

Grow Green

Student: Hadlea Bradbury

School: Pretty River Academy

Senior

Bronze

Bready to Mold

Student: Jiana Song

School: Pretty River Academy

Silver

Fishing for Crops

Student: Zachary Goodwin

School: Pretty River Academy

Gold

A Novel Approach to 'Green' Energy: The Investigation of DC Voltage in Tomato Plants

Student: Emily Goodson

School: Banting Memorial H. S.

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Computer and Engineering Sciences

Elementary

Silver

How Do Objects Affect Signal Strength

Student: Lucas Pallen

School: Ferndale Woods E.S.

Gold

Bioflex: Pothole Solution

Student: Jack Armstrong

School: Pretty River Academy

Junior

Honourable Mention

Which Hydraulic Machine is Stronger?

Student: Gavin DiGiulio and Xavier Price School: St. Francis of Assisi

A New Renewable Source of Energy, Colours!

Student: Adrit Panda

School: Codrington P.S.

Bronze

The Oni Shovel You Need!

Student: Rowan Cunningham

School: Pretty River Academy

Silver

Water Works

Student: Claire Mantrop

School: Pretty River Academy

Gold

Flex Sensors in VR

Student: Rory Cohen

School: Pretty River Academy

Intermediate

Silver

Safe Candy Machine

Student: Huxley Boivin

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Computer and Engineering Sciences (continued)

Senior

Honourable Mention

Solar Power Concentrator

Student: Yihan Wang

School: Pretty River Academy

Bronze

The Future of Fiber Composite

Student: Samuel Burnett

School: Pretty River Academy

Gold

UAV Natural Disaster Detection and Human Search - Eagle i

Student: Rohan Mehta

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Earth and Environmental Sciences

Elementary

Silver

Soil Erosion Science

Student: Xavier Santone

School: Pretty River Academy

Gold

Smart Sorter

Student: Sia Mehta

School: Pretty River Academy

Junior

Honourable Mention

Laundry Quandary

Student: Lucy Butler

School: Pretty River Academy

Miraculous Milkweed

Student: Nathan Crank

School: St. Monica's E. S.

The Battle of the pH Tests - Official pH Tests vs. Homemade Testing Methods

Student: Bridget Morden

School: Codrington P.S.

Bronze

Ecowall

Student: Kyle Burns

School: Pretty River Academy

Silver

Chuck A' Nut

Student: Jenna McCannell

School: Pretty River Academy

Gold

Can You Take The Heat

Students: Stella and Simon Fry

School: Admiral Collingwood P.S.

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Earth and Environmental Sciences (continued)

Intermediate

Silver

Silicate Solutions: Testing the Effects of Mineral Silicate Paint as an Insulation

Student: Emma Palmer

School: Pretty River Academy

Gold

Post Wildfire Forest Reboot Kit

Student: Ariel White

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Human and Health Sciences

Elementary

Bronze

Boxmong Us

Student: Gabriel Fowler

School: Goodfellow P. S.

Silver

Talking with the Oldies

Student: Molly Mantrop

School: Pretty River Academy

Gold

Keep Your Finger On the Pulses

Student: Sarah Beattie

School: Pretty River Academy

Junior

Honourable Mention

Bacteria on Gas Pumps

Student: Ashley Wake

School: St. Francis of Assisi

Soaps vs. Sanitizers - Your Health Depends On It

Student: Madelyn Johnson

School: Admiral Collingwood P.S.

The Pandemic Through the Eyes Of The Ages

Student: Meghan Beattie

School: Pretty River Academy

Bronze

Do Electronics Emit Harmful Levels of Radiation?

Student: Cyrus Shobeir

School: Ferndale Woods E.S.

How Much Bacteria Is On Your Toothbrush?

Student: Olivia Courtney

School: St. Francis of Assisi

Silver

Mask N' Makeup

Student: Sadie Wortsman

School: Pretty River Academy

Gold

The-Mask-Meter

Student: Jeremy Cheuk Hin Chan

School: W. H. Day E. S.

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Human and Health Sciences (continued)

Intermediate

Silver

Bubble Effect?

Student: Nina Lewis

School: Pretty River Academy

Gold

Bee Posi: Developing an app-based solution to counteract negative screen habits

Student: Ava Fischer

School: Pretty River Academy

Senior

Gold

Can Bacteria Get A Suntan?

Student: Kendall Dueck

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Divisional Awards - Physical and Mathematical Sciences

Elementary

Bronze

Brush It Off

Student: Brooklyn Fisher-Smith

School: Pretty River Academy

Silver

Wheel It Brake?

Student: Deacon Maney

School: Pretty River Academy

Gold

UP IN SMOKE!

Student: Charlotte Ross

School: Pretty River Academy

Junior

Gold

Fast or Slow, What's The Flow?

Student: Juliana D'Orazio

School: St. Francis of Assisi

Intermediate

Bronze

Fins to the Sky

Student: Ryan Boyles

School: Pretty River Academy

Silver

Pill Dispenser Advanced

Student: Artur Kalyadin

School: Pretty River Academy

Senior

Silver

Escaping Sound

Student: Siyou Liu

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Team Ontario - Going to Canada Wide Science Fair

These students will represent Simcoe County at CWSF at the 2021 Virtual Fair

A Novel Approach to 'Green' Energy: The Investigation of DC Voltage in Tomato Plants

Student: Emily Goodson

School: Banting Memorial H. S.

Flex Sensors In VR

Student: Rory Cohen

School: Pretty River Academy

UAV Natural Disaster Detection and Human Search - Eagle i

Student: Rohan Mehta

School: Pretty River Academy

Silicate Solutions: Testing the Effects of Mineral Silicate Paint as an Insulation

Student: Emma Palmer

School: Pretty River Academy

Post Wildfire Forest Reboot Kit

Student: Ariel White

School: Pretty River Academy

The-Mask-Meter

Student: Jeremy Cheuk Hin Chan

School: W. H. Day E. S.

Bee Posi: Developing an app-based solution to counteract negative screen habits

Student: Ava Fischer

School: Pretty River Academy

Simcoe County Regional Science and Technology Fair 2021 Results



Grand Awards

Best of Plant and Animal Sciences

Sponsored by: Honda of Canada Mfg.

A Novel Approach to 'Green' Energy: The Investigation of DC Voltage in Tomato Plants

Student: Emily Goodson

School: Banting Memorial H. S.

Best of Computer and Engineering Sciences

Sponsored by: Honda of Canada Mfg.

Flex Sensors In VR

Student: Rory Cohen

School: Pretty River Academy

Best of Human and Health Sciences

Sponsored by: Honda of Canada Mfg.

The-Mask-Meter

Student: Jeremy Cheuk Hin Chan

School: W. H. Day E. S.

Best of Earth and Environmental Sciences

Sponsored by: Honda of Canada Mfg.

Post Wildfire Forest Reboot Kit

Student: Ariel White

School: Pretty River Academy

Best of Physical and Mathematical Sciences

Sponsored by: Honda of Canada Mfg.

Fast or Slow, What's The Flow?

Student: Juliana D'Orazio

School: St. Francis of Assisi

Best of Fair

Post Wildfire Forest Reboot Kit

Student: Ariel White

School: Pretty River Academy