

## **Results of the 45<sup>th</sup> Annual Bay Area Science and Engineering Fair**

Sponsored by the Ontario Trillium Foundation

April 2<sup>nd</sup>, 2005, Sheridan College Institute of Technology and Advanced Learning, Oakville, Ontario

### **The BASEF Pinnacle for Best In Fair and the Dofasco Prize**

P01 : Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

### **The BASEF Pinnacle for 2nd Best In Fair and the Dofasco Prize**

B03 : The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

### **The BASEF Pinnacle for 3rd Best In Fair and the Dofasco Prize**

I10 : The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination

Aaron Hakim

Appleby College, Independent

### **Roy Middleton Award**

I10 : The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination

Aaron Hakim

Appleby College, Independent

### **Pfizer Canada Award of Excellence**

P01 : Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

### **IISEF Trip Award**

B03 : The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

M02 : Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

P06 : The effects of herbal remedies vs. antibiotics against bacterial growth

Nikola Lukenda, Christopher Balaban

Cardinal Newman H.S., HWCDSB

P01 : Using Viruses to Kill Cancer (YSF sponsored)

Natalie Raso

St.Thomas More H.S., HWCDSB

### **BASEF Chairman's Award**

J14 : Attack of the Mac

Cameron Walker, Elliott Cheeseman

Oakville Christian School, Independent

## **Canada-Wide Science Fair Trip Award**

B04 : Managing Greenhouse Gas Exchange in a Constructed Wetland Model

Madeleine Martin

Bishop Ryan H.S., HWCDSB

C19 : Fiery Fibres

Julia Brucculieri

St. Agnes, HWCDSB

D06 : Allergen Alert

Kaitlin Lewis

St. Augustine, HWCDSB

D08 : IBD.....a pain in the gut

Sarah Macaluso

St. Augustine, HWCDSB

H09 : Drugged Out Daphnia

Jelena Ilic, Olja Zubic

Sir Wilfrid Laurier, HWDSB

I09 : Julia and The Magic Nitrogen Beans

Julia Mickus

Appleby College, Independent

I10 : The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination

Aaron Hakim

Appleby College, Independent

M04 : Heart & Keystroke: Simulating the Human Circulatory System

Brian Le

Westdale H.S., HWDSB

M14 : Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

N08 : Hotel Soap Cycle

Spencer McTavish

Oakville Christian School, Independent

N11 : What You See Is What You Don't Get - An Application of Cognitive Psychology

Nicolas Querques, John Spehar

St. Joseph (Halton Hills), HCDSB

N15 : Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

P01 : Using Viruses to Kill Cancer  
Natalie Raso  
St.Thomas More H.S., HWCDSB

P02 : Don't Touch This!  
Jonathan Harris  
Appleby College, Independent

P07 : The Green Machine  
Chris Zyluk  
Oakville Christian School, Independent

P08 : Particulate Matters, or Does it? Phase II Protecting Air Quality through the use of Particulate Pollution Barriers.  
Jordan Bowman  
St. Mary's H.S., HWCDSB

Q06 : How Fast Can You Go?  
Alex Leung  
Oakville Christian School, Independent

I02 : Take a Spoonfull of Honey and Call Me in the Morning  
Eric Coomes  
Appleby College, Independent

**Canada-Wide Science Fair Trip Alternate Award**

D05 : From the Kitchen to the Garden  
Devin Riley  
St. Augustine, HWCDSB

J14 : Attack of the Mac  
Cameron Walker, Elliott Cheeseman  
Oakville Christian School, Independent

**BASEF Committee Trophy**

Awarded to the elementary school accumulating the most points for Merit Awards  
St. Augustine, HWCDSB

**Herb Gildea Memorial Trophy**

Awarded to the secondary school accumulating the most points for Merit Awards  
Hillfield Strathallan

**Acquired Brain Injury Awards**

1. A16: Are You Eating Too Much?  
Steven Slowka, Sarah Nicholson  
St. Joseph (Halton Hills), HCDSB

2. M02: Sounds into Syllables - A Teaching System for Autistic Children  
Kayla Cornale  
Assumption Secondary, HCDSB

**Ambitious City Toastmasters Communications Award**

B06: Peanut Power  
Chad Regan, Matthew Agro  
Corpus Christi, HWCDSB

**Ambitious City Toastmasters Leadership Award**

C16: Is a Picture Worth a Thousand Words?  
Hannah Prince  
Sacred Heart, HWCDSB

**Artistically Inspired Display Award**

H06: Farming Plastic  
Andrea Bandow  
Sir Wilfrid Laurier, HWDSB

H05: Smokin'  
Marleigh White  
Sir Wilfrid Laurier, HWDSB

E18: Mission Mars: Discovering Mars  
Joseph Almonte  
St. Luke, HWCDSB

**Bell Canada Computer and Communications Awards**

1. M02: Sounds into Syllables - A Teaching System for Autistic Children  
Kayla Cornale  
Assumption Secondary, HCDSB

2. B16: Are You a Thumbbody?  
Carson Tarbutt  
Holy Name of Jesus, HWCDSB

**Canadian Finishing Systems Award**

P08: Particulate Matters, or Does it? Phase II Protecting Air Quality through the use of Particulate Pollution Barriers.  
Jordan Bowman  
St. Mary's H.S., HWCDSB

**Canadian Institute of Mining & Metallurgy Hamilton Branch Awards**

1. N15: Metals and Their Weldability  
Joseph Querques  
Christ the King Secondary School, HCDSB

2. E08: The evaluation of salt and other contaminants on the rate of rusting ( rust-a-way)  
Christopher Krnezich  
St. Jerome, HWCDSB

3. D13: Metal and rust, What's the fuss?  
Blayne Tilban  
St. Clare of Assisi, HWCDSB

## **Canadian Nuclear Society (Sheridan Park Branch) Awards - Intermediate or Senior**

I04: Super Power's

Stuart Bacon

Appleby College, Independent

N09: Propeller Power

Peter MacCauley

Bishop Tonnos Secondary, HWCDSB

## **Canadian Nuclear Society (Sheridan Park Branch) Awards - Junior**

M14: Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

N02: Wind or Water: Electrons Flow

Richard Bryce, Simon Russell

Sir Wilfrid Laurier, HWDSB

## **Cancer Assistance Programme Awards**

1. P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

2. E19: Cesium and Cancer : What's the Connection

Chiara Genovese

St. Margaret Mary, HWCDSB

3. F07: Soaking UpThe Sun...

Ashley Fowler, Natalie Michalski

St. Mark, HWCDSB

## **Chemical Institute of Canada- Hamilton Section Awards**

H08: C For Yourself

Nikolija Borjan

Sir Wilfrid Laurier, HWDSB

C02: Rain, Rain, GO AWAY!

Augustine Krawchenko

Holy Spirit, HWCDSB

Q04: Agricultural affects of "smoke water"

Craig Chittenden, Brandon Shiplo

North Park Collegiate & V.S., GEDSB

## **City of Hamilton Mayor's Award**

1. N07: NANOsized me! - Nutritious And Never Obese

Jeff van Leeuwen, Zack Romyn

Hillfield - Strathallan College, Independent

2. P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

3. B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

**DaVinci Award**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

**Dofasco By-Products Utilization Award**

N08: Hotel Soap Cycle

Spencer McTavish

Oakville Christian School, Independent

**Dofasco Chemical Testing Award**

D11: Chromo Coffee

Matthew Bontje, Aaron Townsend

St. Augustine, HWCDSB

**Dofasco Commercial Department**

A19: What Lies Beneath...Your Burger

Jennifer MacDonald, Amy Brierley

St. Joseph (Halton Hills), HCDSB

**Dofasco Creativity & Innovation Community of Practice Award**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

**Dofasco Engineering & Maintenance Technology Award**

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

**Dofasco Environmental Award**

P08: Particulate Matters, or Does it? Phase II Protecting Air Quality through the use of Particulate Pollution Barriers.

Jordan Bowman

St. Mary's H.S., HWCDSB

**Dofasco Hot Mill Award**

C19: Fiery Fibres

Julia Brucculieri

St. Agnes, HWCDSB

**Dofasco Human Resources and Training Development Award**

E12: Mathematical Inclination and Recreation Part 2

Margaret Martin

St. John the Baptist, HWCDSB

**Dofasco Information Systems Award**

N10: Cabin Fever

Mira Anand

Dalewood, HWDSB

**Dofasco Market Development and Product Application Award**

Q08: Planning With Sound Barriers

Stephanie Collins

Oakville Christian School, Independent

**Dofasco Medical Department Award**

P06: The effects of herbal remedies vs. antibiotics against bacterial growth

Nikola Lukenda, Christopher Balaban

Cardinal Newman H.S., HWCDSB

**Dofasco Process Automation Award**

A15: super duper hydro army thing

Nicole Khosla, Matthew Malczuk

St. Dominic, HCDSB

**Dofasco- Product Development Business Process Award**

M14: Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

**Dofasco Research and Development Award**

D09: Bright Ideas

Megan Russell

St. Augustine, HWCDSB

**Dofasco Steelmaking Award**

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

**Dofasco Zyplex Material Science Award**

E10: What goes up must...stay up!

Alexander Keating

St. John the Baptist, HWCDSB

**Dr. Colin J.L.Lock Memorial Chemistry Award**

Q04: Agricultural affects of "smoke water"

Craig Chittenden, Brandon Shiplo

North Park Collegiate & V.S., GEDSB

**Dr. M. Doyle Award**

I10: The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination

Aaron Hakim

Appleby College, Independent

**Electrical Construction Association of Hamilton Award**

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

**Gowlings Innovation Award**

1. N07: NANOsized me! - Nutritious And Never Obese

Jeff van Leeuwen, Zack Romyn

Hillfield - Strathallan College, Independent

2. P07: The Green Machine

Chris Zyluk

Oakville Christian School, Independent

**Halton Regional Chairman's Awards for Student Excellence**

Q02: Optimizing Methanogenic Bacteria Growth in an Anaerobic Digester

Andrew Darby

Notre Dame H.S., HCDSB

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

**Hamilton Amateur Astronomers Science Award**

E18: Mission Mars: Discovering Mars

Joseph Almonte

St. Luke, HWCDSB

**Hamilton Wentworth Occasional Teacher Local Environment and Education Award**

J12: Preventing Collisions

Glenda Tse, Christina Bender

Oakville Christian School, Independent

**Hamilton Wentworth Occasional Teacher Local Healthy Lifestyles Award**

B08: Ready, Set, Go

Nicole Stubbs, Danielle Horvat

Corpus Christi, HWCDSB

**Hamilton Wentworth Occasional Teacher Local Presentation and Aesthetics Award**

M05: Wattsss...Up

Joseph Barzetti

St. Francis Xavier, HWCDSB

**Helen Crawford Memorial Award**

E19: Cesium and Cancer : What's the Connection

Chiara Genovese

St. Margaret Mary, HWCDSB

**IEEE Hamilton Section Award - Advanced**

N06: ROVing Around - Building an ROV from Scratch

Nicholas Weaver

Dr. John Seaton, HWDSB

**IEEE Hamilton Section Award - Beginner**

Q06: How Fast Can You Go?

Alex Leung

Oakville Christian School, Independent

**ISEF - American Meteorological Society**

P05: Global Warming Menace

Manmeet Kaur

Eastview, HDSB

**ISEF - ASM International Foundation**

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

**ISEF - Association for Women GeoScientists**

G01: Earth's Water On The MOVE!!

Ariel Torres, Kelly Pacheco

St. Therese of Liseux, HWCDSB

**ISEF - Eastman Kodak Company Photography Award**

P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

**ISEF - Intel Excellence Award - Computer Science**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

**ISEF - International Society for Optical Engineering, The**

G12: UV The Invisible Danger

Ben Greenlay

Dalewood, HWDSB

**ISEF - MU Alpha Theta Award**

M04: Heart & Keystroke: Simulating the Human Circulatory System

Brian Le

Westdale H.S., HWDSB

**ISEF - Ricoh Sustainable Development Award**

B04: Managing Greenhouse Gas Exchange in a Constructed Wetland Model

Madeleine Martin

Bishop Ryan H.S., HWCDSB

**ISEF - Society for In Vitro Biology**

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

**ISEF - Yale Science & Engineering Association**

H15: Is Nanotechnology Safe?

Paul Dickin

Westdale H.S., HWDSB

**McMaster University Department of Chemistry Award**

Q04: Agricultural affects of "smoke water"

Craig Chittenden, Brandon Shiplo

North Park Collegiate & V.S., GEDSB

**McMaster University Engineering Society Award**

P09: Hoovercraft

Ben Munoz, Brett Hull

St. Ann (Ancaster), HWCDSB

**McMaster University Faculties of Science and Engineering Tuition Awards**

P07: The Green Machine

Chris Zylik

Oakville Christian School, Independent

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

N05: A Green Clean Driving Machine

Daniel Ipema, Albert Van Santvoort

St. Bernadette, HWCDSB

P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

**Mechanical Contractors Association of Hamilton Award**

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

**Microsoft “You Can Make A Difference” Award**

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

**Mohawk College Building & Construction Sciences Awards - Building Sciences**

C03: Insulation Some Like it Hot, Some Like it Cold

Christine MacCauley

Holy Spirit, HWCDSB

**Mohawk College Building & Construction Sciences Awards - Civil Engineering**

A04: Spaghetti Spans

Stuart Pearson

Notre Dame H.S., HCDSB

**Mohawk College Building & Construction Sciences Awards - Transportation Engineering**

Q08: Planning With Sound Barriers

Stephanie Collins

Oakville Christian School, Independent

**Mohawk College Chemical and Environmental Engineering Technology Awards - intermediate or senior applied chemisrty**

H14: Crushing Pollution One Can at a Time

Alethea Rockwell, Tani Weber

Westdale H.S., HWDSB

**Mohawk College Chemical and Environmental Engineering Technology Awards - junior environmental studies**

D05: From the Kitchen to the Garden

Devin Riley

St. Augustine, HWCDSB

**Mohawk College Computer Science & Information Technology - Computer Excellence Award**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

**Mohawk College Electro Technology Awards - Computer Engineering**

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

**Mohawk College Electro Technology Awards - Electronic/Electrical Instrumentation**

N06: ROVing Around - Building an ROV from Scratch

Nicholas Weaver

Dr. John Seaton, HWDSB

**Mohawk College Mathematics Awards**

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

### **Mohawk College Mathematics Awards**

Q06: How Fast Can You Go?

Alex Leung

Oakville Christian School, Independent

### **Mohawk- Mechanical & Industrial Engineering Technology Awards**

N09: Propeller Power

Peter MacCauley

Bishop Tonnos Secondary, HWCDSB

### **National Science and Engineering Research Council (NSERC) Awards**

H09: Drugged Out Daphnia

Jelena Ilic, Olja Zubic

Sir Wilfrid Laurier, HWDSB

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

### **Nelson Steel Awards - chemistry**

M11: Titanium Dioxide Phenomenon

Andrew Dinnin, Michael Shaw

Hillfield - Strathallan College, Independent

### **Nelson Steel Awards - environmental**

B04: Managing Greenhouse Gas Exchange in a Constructed Wetland Model

Madeleine Martin

Bishop Ryan H.S., HWCDSB

### **Nelson Steel Awards - steel**

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

### **Nicola Simmons Award in Cognition Studies**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

### **Ontario Association of Medical Laboratories (OAML) Award**

P01: Using Viruses to Kill Cancer

Natalie Raso

St.Thomas More H.S., HWCDSB

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model

Patrick Martin

Bishop Ryan H.S., HWCDSB

## **Primary Fluid Systems Earth & Environmental Sciences Awards- Junior & Intermediate**

M11: Titanium Dioxide Phenomenon

Andrew Dinnin, Michael Shaw

Hillfield - Strathallan College, Independent

F14: The Coughing Truth

Angela Chiarelli

St. Teresa of Avila, HWCDSB

D10: Hydro Bills . . . Gone With The Wind?

Alysha Socha

St. Augustine, HWCDSB

B20: Tsunami Science

Natalia Wityk

Holy Spirit, HWCDSB

B04: Managing Greenhouse Gas Exchange in a Constructed Wetland Model

Madeleine Martin

Bishop Ryan H.S., HWCDSB

P08: Particulate Matters, or Des it? Phase II Protecting Air Quality through the use of Particulate Pollution Barriers.

Jordan Bowman

St. Mary's H.S., HWCDSB

## **Primary Fluid Systems Engineering Awards - Junior & Intermediate**

N02: Wind or Water: Electrons Flow

Richard Bryce, Simon Russell

Sir Wilfrid Laurier, HWDSB

N14: Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

D17: The Thrills Vs Safety on a Roller Coaster

Alexandra McDonald

St. Clare of Assisi, HWCDSB

J18: Break A Wave

Alicia Ault

Rotherglen School, Independent

N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

N06: ROVing Around - Building an ROV from Scratch

Nicholas Weaver

Dr. John Seaton, HWDSB

### **Primary Fluid Systems Physical Sciences Awards - Junior & Intermediate**

N09: Propeller Power

Peter MacCauley

Bishop Tonnos Secondary, HWCDSB

D14: Marble-ous Velocity

Eric Scott

St. Clare of Assisi, HWCDSB

G12: UV The Invisible Danger

Ben Greenlay

Dalewood, HWDSB

D04: Enzymes

Emily Hasey

St. Anthony of Padua, HWCDSB

M14: Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

Q06: How Fast Can You Go?

Alex Leung, Oakville Christian School

### **Procor Engineering Awards - Intermediate**

D09: Bright Ideas

Megan Russell

St. Augustine, HWCDSB

### **Procor Engineering Awards - Junior**

M12: Wood vs. Foam: Which is the better insulator?

Matthew DelFiacco

St. Clare of Assisi, HWCDSB

### **Procor Engineering Awards - Senior**

M11: Titanium Dioxide Phenomenon

Andrew Dinnin, Michael Shaw

Hillfield - Strathallan College, Independent

### **Professional Engineers of Ontario - Oakville Chapter Engineering Award**

P09: Hoovercraft

Ben Munoz, Brett Hull

St. Ann (Ancaster), HWCDSB

Q06: How Fast Can You Go?

Alex Leung

Oakville Christian School, Independent

### **Professional Engineers of Ontario-Hamilton Chapter Awards**

1. N06: ROVing Around - Building an ROV from Scratch

Nicholas Weaver

Dr. John Seaton, HWDSB

2. N15: Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

3. P07: The Green Machine

Chris Zylík

Oakville Christian School, Independent

### **Ramanujan Mathematics Awards**

N13: The Bernoulli Principle

Yiyong Lok

Rotherglen School, Independent

M14: Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

M04: Heart & Keystroke: Simulating the Human Circulatory System

Brian Le

Westdale H.S., HWDSB

### **Safety Management Systems Software Award**

M02: Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

### **Science Teachers Association of Ontario Awards**

H09: Drugged Out Daphnia

Jelena Ilic, Olja Zubic

Sir Wilfrid Laurier, HWDSB

I10: The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination

Aaron Hakim

Appleby College, Independent

### **The Hamilton Utilities Corporation/Hamilton Community Energy Award**

N05: A Green Clean Driving Machine

Daniel Ipema, Albert Van Santvoort

St. Bernadette, HWCDSB

D10: Hydro Bills . . . Gone With The Wind?

Alysha Socha

St. Augustine, HWCDSB

M14: Lightin' Up  
Vivian Leung  
Captain R. Wilson, HDSB

**The Investigative Science Award**

D04: Enzymes  
Emily Hasey  
St. Anthony of Padua, HWCDSB

**The Tinnerman Palnut Engineered Products (Canada) Corporation Award**

N14: Magnets and Motion: A New Look at Maglev  
Benjamin Gulak, Alexander Molloy  
Hillfield - Strathallan College, Independent

**University of Ottawa Admission Scholarship**

B03: The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model  
Patrick Martin  
Bishop Ryan H.S., HWCDSB

**Zonta Club of Hamilton Awards**

H06: Farming Plastic  
Andrea Bandow  
Sir Wilfrid Laurier, HWDSB

B10: C.S.I Corpus Christi  
Kirsten Davison, Sarah Cifani  
Corpus Christi, HWCDSB

M02: Sounds into Syllables - A Teaching System for Autistic Children  
Kayla Cornale  
Assumption Secondary, HCDSB

**Merit Awards**

***Gold***

B03 : The Effects of Guanosine on Alpha-Synuclein in a Parkinson's Disease Model  
Patrick Martin  
Bishop Ryan H.S., HWCDSB

H09 : Drugged Out Daphnia  
Jelena Ilic, Olja Zubic  
Sir Wilfrid Laurier, HWDSB

I02 : Take a Spoonfull of Honey and Call Me in the Morning  
Eric Coomes  
Appleby College, Independent

I10 : The Antioxidant Mystery: the effects of antioxidants and free radicals on seed germination  
Aaron Hakim  
Appleby College, Independent

M02 : Sounds into Syllables - A Teaching System for Autistic Children

Kayla Cornale

Assumption Secondary, HCDSB

P01 : Using Viruses to Kill Cancer

Natalie Raso

St. Thomas More H.S., HWCDSB

P02 : Don't Touch This!

Jonathan Harris

Appleby College, Independent

P08 : Particulate Matters, or Des it? Phase II Protecting Air Quality through the use of Particulate Pollution Barriers.

Jordan Bowman

St. Mary's H.S., HWCDSB

***Silver***

A16 : Are You Eating Too Much?

Steven Slowka, Sarah Nicholson

St. Joseph (Halton Hills), HCDSB

B04 : Managing Greenhouse Gas Exchange in a Constructed Wetland Model

Madeleine Martin

Bishop Ryan H.S., HWCDSB

C09 : Melt Down

Denise Densmore

Our Lady of Lourdes, HWCDSB

C13 : Water Play Filter Away

Steven Douglas

Our Lady of Peace, HWCDSB

C16 : Is a Picture Worth a Thousand Words?

Hannah Prince

Sacred Heart, HWCDSB

C19 : Fiery Fibres

Julia Brucculieri

St. Agnes, HWCDSB

D05 : From the Kitchen to the Garden

Devin Riley

St. Augustine, HWCDSB

D06 : Allergen Alert

Kaitlin Lewis

St. Augustine, HWCDSB

D07 : Burn Baby . . . Heart Burn

Lana Socha

St. Augustine, HWCDSB

D08 : IBD.....a pain in the gut

Sarah Macaluso

St. Augustine, HWCDSB

D09 : Bright Ideas

Megan Russell

St. Augustine, HWCDSB

F07 : Soaking UpThe Sun...

Ashley Fowler, Natalie Michalski

St. Mark, HWCDSB

F20 : Erosion its Eating Us Away!

Samantha Sousa

St. Therese of Liseux, HWCDSB

G12 : UV The Invisible Danger

Ben Greenlay

Dalewood, HWDSB

H05 : Smokin'

Marleigh White

Sir Wilfrid Laurier, HWDSB

H15 : Is Nanotechnology Safe?

Paul Dickin

Westdale H.S., HWDSB

I05 : A Burning Question

Aaron Ehgoetz

Appleby College, Independent

I09 : Julia and The Magic Nitrogen Beans

Julia Mickus

Appleby College, Independent

I17 : Guess Who's Coming To Dinner

Alisa Lagrotteria

Hillfield - Strathallan College, Independent

J05 : Stalagmites and Stalactites

Calum Mathews

Hillfield - Strathallan College, Independent

J14 : Attack of the Mac

Cameron Walker, Elliott Cheeseman

Oakville Christian School, Independent

J18 : Break A Wave

Alicia Ault

Rotherglen School, Independent

M04 : Heart & Keystroke: Simulating the Human Circulatory System

Brian Le

Westdale H.S., HWDSB

M14 : Lightin' Up

Vivian Leung

Captain R. Wilson, HDSB

N08 : Hotel Soap Cycle

Spencer McTavish

Oakville Christian School, Independent

N11 : What You See Is What You Don't Get - An Application of Cognitive Psychology

Nicolas Querques, John Spehar

St. Joseph (Halton Hills), HCDSB

N14 : Magnets and Motion: A New Look at Maglev

Benjamin Gulak, Alexander Molloy

Hillfield - Strathallan College, Independent

N15 : Metals and Their Weldability

Joseph Querques

Christ the King Secondary School, HCDSB

P06 : The effects of herbal remedies vs. antibiotics against bacterial growth

Nikola Lukenda, Christopher Balaban

Cardinal Newman H.S., HWCDSB

P07 : The Green Machine

Chris Zylik

Oakville Christian School, Independent

Q01 : Paintings In The Sky

Merryn Maynard, Sarah Eastwood

Dalewood, HWDSB

Q02 : Optimizing Methanogenic Bacteria Growth in an Anaerobic Digester

Andrew Darby

Notre Dame H.S., HCDSB

Q06 : How Fast Can You Go?

Alex Leung

Oakville Christian School, Independent

***Bronze***

A08 : To Grow or Not to Grow-That is the Question: a Bacterial Growth Experiment

M.J. O'Grady

Sacred Heart of Jesus, HCDSB

A10 : Sugar Bombs 2

Meghan Palozzi

St. Andrew, HCDSB

A17 : Battle of the Battery Brands

Mike Brown, Shane Carr

St. Joseph (Halton Hills), HCDSB

A19 : What Lies Beneath...Your Burger

Jennifer MacDonald, Amy Brierley

St. Joseph (Halton Hills), HCDSB

B08 : Ready, Set, Go

Nicole Stubbs, Danielle Horvat

Corpus Christi, HWCDSB

B10 : C.S.I Corpus Christi

Kirsten Davison, Sarah Cifani

Corpus Christi, HWCDSB

B20 : Tsunami Science

Natalia Wityk

Holy Spirit, HWCDSB

C01 : Energy Bars and Diabetes

Maksym Korol, Samuel Queripel

Holy Spirit, HWCDSB

C02 : Rain, Rain, GO AWAY!

Augustine Krawchenko

Holy Spirit, HWCDSB

C03 : Insulation Some Like it Hot, Some Like it Cold

Christine MacCauley

Holy Spirit, HWCDSB

C04 : Fatty Fast Foods

Lucas Kramar

Holy Spirit, HWCDSB

C15 : It's In Your Hands

Dara Melanson, Eryn Stewart

Sacred Heart, HWCDSB

C17 : where Does It Go?  
Brittany Serrani, Christina Oliveira  
St. Agnes, HWCDSB

C20 : Do You "C" What I "C"?  
Pauline Nichol, Lauren Biasetti  
St. Agnes, HWCDSB

D04 : Enzymes  
Emily Hasey  
St. Anthony of Padua, HWCDSB

D10 : Hydro Bills . . . Gone With The Wind?  
Alysha Socha  
St. Augustine, HWCDSB

D11 : Chromo Coffee  
Matthew Bontje, Aaron Townsend  
St. Augustine, HWCDSB

D12 : H2O  
Jenna Wild  
St. Augustine, HWCDSB

D16 : Burn Baby Burn  
Matt Santoli  
St. Clare of Assisi, HWCDSB

D20 : EggCellent Teeth  
Jenna Frank  
St. James the Apostle, HWCDSB

E10 : What goes up must...stay up!  
Alexander Keating  
St. John the Baptist, HWCDSB

E12 : Mathematical Inclination and Recreation Part 2  
Margaret Martin  
St. John the Baptist, HWCDSB

E17 : odorless  
Yasaman Karimianpour, Yurissa Varela-Marela  
St. Joseph, HWCDSB

F02 : Slip Sliding Away  
Vincent Sienna, Darren Callaghan  
St. Mark, HWCDSB

F03 : You Take My Breath Away  
Ashley Battaglia  
St. Mark, HWCDSB

F04 : Handee Soap  
Ashley Trevisani, Chantel Williston  
St. Mark, HWCDSB

F15 : Egg-cellent Strength  
Joey Borsellino  
St. Teresa of Avila, HWCDSB

F19 : Acid or Base?  
Jessica Cialini, Maryellen Tedeschi  
St. Therese of Liseux, HWCDSB

G03 : Just Add Ice  
Bryan Lehman  
Billy Green, HWDSB

G05 : "A Salty Solution" How Salt Affects The Freezing Point of Water  
James Tonogai  
Billy Green, HWDSB

G08 : Quiet! The Peas are Listening  
Aaron Jan  
Dalewood, HWDSB

G09 : Perchance to Dream  
Jasmine Dong, Julia Kochuk  
Dalewood, HWDSB

G13 : Notes and Neurons  
Chenwei Ji, Sam Elliott  
Dalewood, HWDSB

G16 : Super Fries Us  
Stephanie Clark, Joanna Harkness  
Dundas District, HWDSB

H01 : The Effects of Rhythmic Drumming on the Nervous System  
Matthew Cangiano  
Ryerson, HWDSB

H04 : MOOve Over Bacteria  
Diana Kanlic  
Sir Wilfrid Laurier, HWDSB

H06 : Farming Plastic  
Andrea Bandow  
Sir Wilfrid Laurier, HWDSB

H07 : Termination of Germination  
Lana Kovacevic, Milcah Rodriguez  
Sir Wilfrid Laurier, HWDSB

H13 : Does the shape of an ice cube affect how long it takes to melt?

Sali Ravo, Samantha Fleming  
Templemead, HWDSB

H16 : Fantastik? Maybe Not!

Lingfei Liu  
Westdale H.S., HWDSB

I07 : Hair Absorbs Oil

Patrick Aubrey  
Appleby College, Independent

I08 : Save Energy... For a Better Future!

Yashoda Singh  
Appleby College, Independent

J02 : "AcetaminoFUN" Comparing Dissolution Rates of Acetaminophen

Caroline Dunton  
Hillfield - Strathallan College, Independent

J09 : Eco. Friendly Cleaners vs. Non-Eco. Friendly Cleaners

Sarah Robson  
Hillfield - Strathallan College, Independent

J12 : Preventing Collisions

Glenda Tse, Christina Bender  
Oakville Christian School, Independent

M03 : Spin With The Wind

Lora Capobianco  
Hillfield - Strathallan College, Independent

M05 : Wattsss...Up

Joseph Barzetti  
St. Francis Xavier, HWCDSD

M06 : UV Curing of Marine Resins

Lauren Bursey  
Hillfield - Strathallan College, Independent

M07 : Deep Fried

Felicia Assenza, Natalie Quercia  
St. Clare of Assisi, HWCDSD

M11 : Titanium Dioxide Phenomenon

Andrew Dinnin, Michael Shaw  
Hillfield - Strathallan College, Independent

M12 : Wood vs. Foam: Which is the better insulator?

Matthew DelFiaccio

St. Clare of Assisi, HWCDSB

N05 : A Green Clean Driving Machine

Daniel Ipema, Albert Van Santvoort

St. Bernadette, HWCDSB

N09 : Propeller Power

Peter MacCauley

Bishop Tonnos Secondary, HWCDSB

N12 : TV + Math Homework= ???

Cam McDonald, Stefan Lambevski

Rotherglen School, Independent

N13 : The Bernoulli Principle

Yiyong Lok

Rotherglen School, Independent

P09 : Hoovercraft

Ben Munoz, Brett Hull

St. Ann (Ancaster), HWCDSB

P10 : Subliminal Messages

Maxwell Crispo, Samantha Richter

Hillfield - Strathallan College, Independent

Q04 : Agricultural affects of "smoke water"

Craig Chittenden, Brandon Shiplo

North Park Collegiate & V.S., GEDSB

Q05 : The Street Racer

Adam Forgione

Oakville Christian School, Independent

Q08 : Planning With Sound Barriers

Stephanie Collins

Oakville Christian School, Independent

### **Honourable Mention**

A07 : Examination of Precipitation

Deanna Langlois, Lauren Macdonald

Sacred Heart of Jesus, HCDSB

B01 : Water, Seeds, and Pollutants

Natalie Fox

Thomas A. Blakelock H.S., HDSB

B06 : Peanut Power  
Chad Regan, Matthew Agro  
Corpus Christi, HWCDSB

F14 : The Coughing Truth  
Angela Chiarelli  
St. Teresa of Avila, HWCDSB

H02 : Hydrogen Fuel Cells  
Erik Dickenson  
Ryerson, HWDSB

I19 : Viscosity  
Sara Greco, Krizia Scattolon  
Hillfield - Strathallan College, Independent

P05 : Global Warming Menace  
Manmeet Kaur  
Eastview, HDSB