



SCIENCE COUNCIL MANITOBA

Dedicated to the Promotion of Science and Technology

Certificate Results

Youth Stewardship in Environmental Sustainability

Showcase (Y.E.S.)

May 2, 2009



The 2009 Showcase at Oak Hammock Marsh Interpretive Centre celebrated the success of many champions who conducted sustainability projects on a wide variety of topics. Not only did the day dawn bright, sunny and warm but all of nature seemed to join in our intent to broadcast the importance of balancing human needs with preservation of the environment. The following students and schools are to be commended for their efforts to meet the challenges of the Y.E.S. Showcase:

Ian Ellchuk	Springs Christian Academy	Biodiesel: From Garbage to Gold?	Platinum
Robin Pruden, Jenna Traverse, Anna Pruden	Little Saskatchewan School	Muskrat Harvesting	Bronze
Rylan Groening	Lowe Farm School	The H+ Hummer	Gold
Forest Brown, Quinn Fenske	Ecole River Heights School	Why Don't We Use Bio-degradable Products?	Platinum
Claire Spearman	Acadia Jr. High School	Stop the Sediment, Stop the Phosphate	Silver
Juliana Perez	Henry G. Izzat Middle School	Sleep On It!	Gold
Alison Rempel	Morris School	Vortex Air Launcher	Silver
Yasas Rajapakse	Acadia Junior High School	Is Weather Forecasting Accurate?	Silver
Alexa Smith	Gray Academy	Pure and Simple	Silver
Chandra-Labre Bailey	St. Maurice School	Bermuda Roof: Water Catchment System	Silver
Kyla-Alexis Bailey	St. Maurice School	Handi-Capable: Parking Only If You Can Get Away With It	Platinum
Atoosa Jalayeri	Arthur A Leach Jr. High	Would You Like Some Fat With Your Fries?	Platinum
Ashley Kozier	Edward Schreyer School	Time For a "Clean" Intervention	Gold
Brandon Coe	Kent Road School	Solar Power	Silver
Sachin Vijayan, Thyaharajan Visweswaran	Acadia Junior High School	To Produce, Detect and Store Static Electricity	Gold
Bretton Hill	Strathmillan School	Save Our Skinks	Silver
Kara Chan	Acadia Junior High School	Seeing in a New Light	Bronze
Saran Orenski	Acadia Junior High School	Fertilization vs. Inoculation	Silver
Jovana Tosovic	Arthur A Leach	Cellphones: Save Your Minutes, Save Your Brain (How do electromagnetic fields effect rate of seed germination and mitosis in living cells?)	Platinum
Borzah Yankey	River Heights Middle School	The Use of Wind Energy	Silver
Allen Liu	Acadia Junior High School	The Effects of Different pH Levels on the Structure and Hormonal Content in the Roots of Rice (<i>Oryza sativa</i>)	Silver
Jarod Standil Margovski, Zachary Greenberg	Gray Academy	The Good, The Bad and the Dirty	Bronze
Janine Yetman	Otetiskiwin School	Fresh Water	Silver
Sonia Wilson	Acadia Junior High	Does Lunar Planting Work?	Silver
Chelsey Aldea, Victoria Ayo	Holy Ghost School	Algae Bloom	Silver
Longan Sinclair Arron	Little Saskatchewan School	Live Smoke Free	Bronze
Tim Travis, Ashley Ross	Little Saskatchewan School	Electrolytes in Sports Drinks	Bronze
Monique Gauthier	Maple Leaf	You Are What You Eat: Nonorganic vs. Organic You	Gold
Rebekah Vickery (University), Rachael Vickery (Grade 11), Miranda Vickery (Grade 9)	Canuck Nanooks	Project Polar Bear	Platinum
Binudith Warnakulasooriya	Fort Richmond Collegiate	Gene Expression Analysis of Pinoresinol-Laricirisinol Reductase and Level of Seiciso Laricirisinol Diglucoiside in Flax (<i>Linum Usitatissimum</i>)	Gold

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Class of 16 Chemistry Students	Winnipeg Adult Education Centre	Water Quality Tests For the Red and Assiniboine Rivers: Building a Better Sewage Recycling System	Bronze
Kevin Macduff	St. Boniface Diocesan High School	Do You Know Your H2O	Silver
Uma Yakandawala	Fort Richmond Collegiate	Dietary Flaxseed Oil Enhances Immune Cell Omega-3 Fatty Acid Levels in Experimental Animal Model with Metabolic Syndrome	Gold
Adriana Kovaltchouk, Janelle Lazaro	Sisler High School	The Darker Side of Chocolate	Bronze
Sam Nowicki	Kelvin High School	Water and Soil Contamination through Hydraulic Conductivity in the Red River Basin	Gold
Chris Kraljevic	Shaftesbury High School	Isolation and Identification of Natural Products Produced by Soil Fungi from Wapusk National Park	Gold
Afra Mirajkar	Acadia Junior High School	Red Bull to the Rescue...?	Bronze
Rebecca Kunzman	Arthur A. Leach	Anubias vs. Algae, In the Battle for Phosphorus	Platinum
Anika Rahmam	Fort Richmond School	Use of Dead Heated Mustard as a Natural Antibacterial	Platinum
Lillium Lou	Arthur A Leach School	Is the Influenza Vaccination Really Beneficial?	Gold

Senior 1-3 Scholarships



Congratulations to Rebekah Vickery, Rachael Vickery and Miranda Vickery of Canuck Nanooks (Project Polar Bear) for winning a Platinum Certificate and the Senior 1-3 Innovation/Invention Scholarship (\$250) for 2009.



Congratulations to Rebecca Kunzman (Anubias vs. Algae, In the Battle for Phosphorus) for winning a Platinum Certificate and the Senior 1-3 Investigation Scholarship (\$250) for 2009.

Award of Excellence Grade 6-8



Congratulations to Forest Brown and Quinn Fenske (Why Don't We Use Bio-degradable Products?) for winning a Platinum Certificate and the Award of Excellence for 2009.

Award of Excellence S1-3



Congratulations to Rebecca Kunzman (Anubias vs. Algae, In the Battle for Phosphorus) for winning a Platinum Certificate and the Award of Excellence for 2009.

Award of Excellence Grade 1 – 5



Congratulations to Ian Ellchuk (Biodiesel: From Garbage to Gold?) of Springs Christian Academy for winning a Platinum Certificate and the Award of Excellence for 2009.



Special Gratitude...is extended to judges and volunteers who served at this year's Showcase event.

Alyssa Kost (Student) | Anne Macdiarmid (Manitoba Education) | Arlene Davidson (MB Academy of Sciences) | Barret Miller (Fort Wytte Centre) | Bev Ross (Manitoba Freshwater Institute) | Brendan Carruthers (Manitoba Hydro) | Cathy Gervais (University of Winnipeg) | Cathy Shaluk (Nature Conservancy) | Charles Thrift (I.I.S.D. (Sustainability)) | Daniele Dubois-Jacques (Manitoba Education (French) Dean Medeiros (Climate Change Action) | Dr. Anne Adkins (University of Winnipeg) | Dr. Robert Wrigley (Curator, Winnipeg Zoo) | Evhan Uzwyshyn (Retired Science Consultant) | Gigi Fallorin (Educator) | Ginger Arnold (Environmental Education Consultant) | Jacques Tardif (University of Winnipeg) | Janaki Balakrishnan (Educator) | Jean Pomo (Educator) | Jennifer Jones (Student, University of Winnipeg) | Jens Franck (University of Winnipeg) | Jerry Kozak (Educator) | Kim Redekopp (Meteorologist) | Laura Jones (Student, University of Winnipeg) | Lena Andersson (Wardrop Engineering) | Linda Marynuk (Consultant Native Studies) | Lindsay Irwin (Green Manitoba) | Mike James (Retired Educator) | Noble Lalbiharie (Retired Educator) | Ollie Zirka (Educator W.A.E.C.) | Philip Gass (I.I.S.D. (Sustainability)) | Rhonda Morrisette (Educator W.A.E.C.) | Richard Wishart (Ducks Unlimited) | Robert Anderson (University of Winnipeg) | Sheila Atchison (University of Winnipeg) | Wilson Fallorin (Educator) | John Perry | Dr. Heather Robinson | Herb Reynolds | Cathy Shaluk | Michele Kading | Cathy Wasserman | Paula Grief | Ruth Erb | Ralph Erb | Rachel Carrier | Ellen Monro | Diana Borges | Robert Degenhardt | Dr. Gary Crow (Speaker)