

62nd Vancouver Island Regional Science Fair, April 2023

Overall Winners

First	49	Evan Warburton	The Dual Dipole Radio Telescope	Oak Bay Secondary School	12
Second	14	Reagan Morley	Say So Long to Soggy Straws!	Christ Church Cathedral School	7
Third (tie)	50	Wakako Hagiwara	Paper airplane	Queen Margaret's School	10
Third (tie)	36	Andrei Marti	Sweet Scores	St. Michaels University School	8
Fifth	47	Richard Lee	"Expanded polystyrene foam" that grows on trees	Mount Douglas Secondary School	11
Sixth	44	Katharine Morley	Plastered Plants Defeat Drought	Glenlyon Norfolk School	10
Seventh	29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9

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Division Winners

Senior (Gr. 10-12)

Prizes: Victoria Harbour Ferry; Shaw Centre for the Salish Sea x2; Cordova Bay Golf; Russell's Books

First	53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	12
Second	43	Kaisheng Ma	Three-track transformable robot for emergency rescue detecting	Pearson College UWC	11
Third	51	Nathan Hellner-Mestelman	I Need More Spacetime	Mount Douglas Secondary School	10
Fourth	45	Rose Wu	Is Horse Manure a Viable Source of Energy?	Queen Margaret's School	10
Fifth	41	Alaa Ibrahim	Bacteria fighter: Fenugreek	St. Margaret's School	10

Junior (Gr. 8-9)

Prizes: Dance Victoria; Harbourcats Baseball x 3; Munro's Bookstore

First	38	Ayden Kuo	Exploration of an energy sustainable approach to enhance heat exchange	Glenlyon Norfolk School	9
Second	55	Alyosha Silvester	Converting Sound Energy to Electrical Energy	Glenlyon Norfolk School	9
Third	30	Kevin Su	Memory over time	Glenlyon Norfolk School	9
Fourth	33	Liam Whiteside	The Future of Injury Reduction in Contact Sport	St. Michaels University School	8
Fifth	23	Liam Pope-Lau	Evaporation Electricity: Nanoengineering Wood for Sustainable Energy	St. Michaels University School	8

Intermediate (Gr. 6-7)

Prizes: Victoria Bug Zoo; Butterfly Gardens x 4

First	70	Christian Attwell Jeff Zhang	Waves of the Future	Arbutus Global Middle School	7
Second	12	Morgan Vandermolen	Fascinating Fertilizer	Westmont Montessori School	6
Third	69	Abby Kim	Apple vs. Samsung	Assumption School Elementary	7
Fourth	21	Tess Hellner-Mestelman	Sugar (not so sweet?)	Selkirk Montessori School	7
Fifth	16	Farrah Cheung	Germs vs. Classroom	St. Michaels University School	7

Elementary (Gr. 4-5)

Prizes: Miniature World + Quarky Science; Quarky Science x 4

First	62	Camila Cota	What is the best way to reduce global warming	Pacific Christian School	5
Second	11	Claire Schroeder	Can Music Affect The Heartbeat	Pacific Christian School	5
Third	59	Petra Cherrington-Green	Protect Your Plants From Slugs	Salt Spring Elementary School	4
Fourth	2	Sadie Alderliesten	Where Are You Ticklish?	Pacific Christian School	5
Fifth	7	Naja Chakanyuka	The Effect of Impurities on Boiling Points	Pacific Christian School	5

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Major Awards

Overall Best Project Winners

1st Overall – Rotary Award

+ The UVic President's Entrance Scholarship

+ Dean of Science Scholarship

+ UVic Engineering Award

49	Evan Warburton	The Dual Dipole Radio Telescope	Oak Bay Secondary School	12
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2nd Overall – Schneider Electric Award

14	Reagan Morley	Say So Long to Soggy Straws!	Christ Church Cathedral School	7
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3rd Overall (Tie) – StarFish Award

50	Wakako Hagiwara	Paper airplane	Queen Margaret's School	10
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3rd Overall (Tie) – RALMAX Group - Point Hope Maritime

36	Andrei Marti	Sweet Scores	St. Michaels University School	8
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5th Overall – Victoria Natural History Society Award

+ UVIC Environment Award

47	Richard Lee	“Expanded polystyrene foam” that grows on trees	Mount Douglas Secondary School	11
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6th Overall – Eupraxia Pharmaceuticals

44	Katharine Morley	Plastered Plants Defeat Drought	Glenlyon Norfolk School	10
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7th Overall – Enkin Award

29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9
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Geminiano Awards

Nathan Geminiano Awards - Overall Winner 2 times

+ Blackball Ferry Prize

44	Katharine Morley	Plastered Plants Defeat Drought	Glenlyon Norfolk School	10
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Alexa Geminiano Awards - Overall Winner 3 or more times

None awarded in 2023

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University of Victoria Sponsored Awards

University of Victoria Engineering Award

49	Evan Warburton	The Dual Dipole Radio Telescope	Oak Bay Secondary School	12
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University of Victoria Environment Award

47	Richard Lee	"Expanded polystyrene foam" that grows on trees	Mount Douglas Secondary School	11
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University of Victoria Faculty of Law Award

25	Yashita Kaku	The Effects of Farming in Africa	St. Michaels University School	8
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University of Victoria Faculty of Science Award

29	Phoebe Dendes	Algae Power! Can marine algae be used to produce electricity in a photovoltaic cell?	Glenlyon Norfolk School	9
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University of Victoria Faculty of Social Sciences Award

Elementary	63	Joshwin David	Will CO2 Levels Affect REM Sleep?	Pacific Christian School	5
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Intermediate	69	Abby Kim	Apple vs. Samsung	Assumption School Elementary	7
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Junior	31	Shreesha Ramandev	How Different Audio Frequencies (hertz) Affect Heart Rate (bpm)?	Glenlyon Norfolk School	9
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Senior	48	Jason Cheng	The Effects of Blue Light on Adolescents' Circadian Rhythm and Quality of Sleep	Queen Margaret's School	10
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Science Fair Foundation of BC Awards

AbCellera TechBio Award

47	Richard Lee	"Expanded polystyrene foam" that grows on trees	Mount Douglas Secondary School	11
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BC Agriculture in the Classroom

29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9
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BC Game Developers Innovation Award

Senior 47	Richard Lee	"Expanded polystyrene foam" that grows on trees	Mount Douglas Secondary School	11
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Junior 55	Alyosha Silvester	Converting Sound Energy to Electrical Energy	Glenlyon Norfolk School	9
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Intermediate 18	Michaela Yee	Is Screen Use Ruining Your Sleep?	St. Michaels University School	7
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BC Hydro Power Pioneers South Island Award

70	Christian Attwell Jeff Zhang	Waves of the Future	Arbutus Global Middle School	7
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BC Hydro Power Smart Award

55	Alyosha Sylvester	Converting Sound Energy to Electrical Energy	Glenlyon Norfolk School	9
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BC Nature Award (Fed of BC Naturalists)

Gr. 4-8 24	Charlotte Banting-Spooner	How does Mycelium sequester carbon?	Christ Church Cathedral School	8
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Gr. 9-12 29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9
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BC Science Teachers' Award

36	Andrei Marti	Sweet Scores	St. Michaels University School	8
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Engineers & Geoscientists of BC (EGBC)

1st 38	Ayden Kuo	Exploration of an energy sustainable approach to enhance heat exchange	Glenlyon Norfolk School	9
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2nd 72	Conor Beamish	Harnessing Tidal Energy	Arbutus Global Middle School	7
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3rd 19	Nouria Loomer-Douglas	Natural Sidewalk Deicers	Christ Church Cathedral School	8
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4th 50	Wakako Hagiwara	Paper airplane	Queen Margaret's School	10
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Genome BC Award

28	Noah Grand	Environmentally Friendly Anti-Bacterial Cleaner	Glenlyon Norfolk School	9
42	Marina-Jiayan Xie	Difference between lactose intolerance and dairy allergy	Queen Margaret's School	10

Michael Crooks Physics Award

50	Wakako Hagiwara	Paper airplane	Queen Margaret's School	10
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Sanofi Biogenius Award

54	Harry Lin	Banana-peel-based Biodegradable plastic	Queen Margaret's School	10
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Julia Lane Award

14	Reagan Morley	Say So Long to Soggy Straws!	Christ Church Cathedral School	7
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Women in Engineering & Geoscience

14	Reagan Morley	Say So Long to Soggy Straws!	Christ Church Cathedral School	7
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SCWIST Award

29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9
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Vancouver RASC Martha Pearse

51	Nathan Hellner-Mestelman	I Need More Spacetime	Mount Douglas Secondary School	10
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Provincial Awards - for nomination; application is to be made by student to SFFBC

Genome BC Scholarship Nomination

47	Richard Lee	"Expanded polystyrene foam" that grows on trees	Mount Douglas Secondary School	11
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Julia Lane Scholarship Nomination

53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	12
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Ministry of Transportation & Infrastructure Scholarship

43	Kaisheng Ma	Three-track transformable robot for emergency rescue detecting	Pearson College UWC	11
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Organization and Individual Awards and Prizes

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Gr. 4-8	38	Ayden Kuo	Exploration of an energy sustainable approach to enhance heat exchange	Glenlyon Norfolk School	9
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Gr. 9-12	23	Liam Pope-Lau	Evaporation Electricity: Nanoengineering Wood for Sustainable Energy	St. Michaels University School	8
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ASL Environmental Services Award

27	Jai Tatra	The Electrifying Effects of Water Pressure	St. Michaels University School	8
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72	Conor Beamish	Harnessing Tidal Energy	Arbutus Global Middle School	7
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Association of Professional Biology

36	Andrei Marti	Sweet Scores	St. Michaels University School	8
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44	Katharine Morley	Plastered Plants Defeat Drought	Glenlyon Norfolk School	10
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Drs. Rosemary & Walter Balfour Award

1st	71	Paul Holland	The Science of Stealth Planes	St. Michaels University School	7
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2nd	9	Neisha Ligue	Liquid Effect	Westmont Montessori School	4
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BC Hydro - Power Pioneers Award

43	Kaisheng Ma	Three-track transformable robot for emergency rescue detecting	Pearson College UWC	11
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BC Hydro - Power Pioneers - South Island Office

49	Evan Warburton	The Dual Dipole Radio Telescope	Oak Bay Secondary School	12
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BC Institute of Agrologists (BCIA)

Elementary	8	Quinn Davies	No More Nitrates!	Pacific Christian School	5
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Intermediate	13	Magnus Loomer-Douglas	How Salmon Will Save the Planet: why we need to save salmon	Christ Church Cathedral School	6
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Junior	28	Noah Grand	Environmentally Friendly Anti-Bacterial Cleaner	Glenlyon Norfolk School	9
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Senior	53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	11
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Carmanah Technologies - Clean Technology Award

14	Reagan Morley	Say So Long to Soggy Straws!	Christ Church Cathedral School	7
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Dr Zonk Award (Bonnie Martin Restaurant sponsor)

36	Andrei Marti	Sweet Scores	St. Michaels University School	8
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Canadian Meteorological & Oceanographic Society (CMOS)

15	Evan Vinnitsky-Woodman	The Global Effects of Shark Finning on Our Oceanic Ecosystems	Christ Church Cathedral School	7
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19	Nouria Loomer-Douglas	Natural Sidewalk Deicers	Christ Church Cathedral School	8
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53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	11
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Gordon Patterson Award

57	Jordan Stewart	Heart Rate Recovery - Quicker with pop or classical?	Pacific Christian School	5
64	Avery Johanson	Music & Mood	Pacific Christian School	5
73	Betty Huang / Sydney Martin	Soap vs Soap	St. Michaels University School	7

ImmunoPrecise Antibodies Ltd.

28	Noah Grand	Environmentally Friendly Anti-Bacterial Cleaner	Glenlyon Norfolk School	8
41	Alaa Ibrahim	Bacteria fighter: Fenugreek	St. Margaret's School	10

Rotary Club of Victoria

1st	53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	11
2nd (tie)	39	Pheobe Dendes	Photo Volts	Glenlyon Norfolk School	10
2nd (tie)	66	Liam DeGoey	The Effect of Compostable Plastic in Soil on Plant Growth	Christ Church Cathedral School	6
3rd	8	Quinn Davies	No More Nitrates !	Pacific Christian School	5
4th	23	Liam Pope-Lau	Evaporation Electricity: Nanoengineering Wood for Sustainable Energy	St. Michaels University School	8

Royal Astronomical Society of Canada, Victoria Chapter (RASC)

51	Nathan Hellner-Mestelman	I Need More Spacetime	Mount Douglas Secondary School	10
49	Evan Warburton	The Dual Dipole Radio Telescope	Oak Bay Secondary School	12
5	Feyikemi (Kemi) Daniel	Pendulum Experiment to Measure Local Gravity	Pacific Christian School	5

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Schneider Electric - STEM Awards

Best Investigation	18	Michaela Yee	Is Screen Use Ruining Your Sleep?	St. Michaels University School	7
Best Demonstration	52	Maggie Preston	What makes a strong electrolyte?	Queen Margaret's School	10
Best Use of Technology	69	Abby Kim	Apple vs. Samsung	Assumption School Elementary	7
Best Presentation	5	Feyikemi (Kemi) Daniel	Pendulum Experiment to Measure Local Gravity	Pacific Christian School	5
Best Communication	2	Sadie Alderliesten	Where Are You Ticklish?	Pacific Christian School	5
Resourcefulness & Imagination	8	Quinn Davies	No More Nitrates!	Pacific Christian School	5
Best Sustainable Solution	38	Ayden Kuo	Exploration of an energy sustainable approach to enhance heat exchange	Glenlyon Norfolk School	9
Best Experimental Design	50	Wakako Hagiwara	Paper Airplane	Queen Margaret's School	10

Science Fair Alumni Award

	52	Maggie Preston	What makes a strong electrolyte?	Queen Margaret's School	10
	53	Alexis Kuo	An environmentally friendly approach to extracting heavy metals from solutions utilizing melanin found in hair	Glenlyon Norfolk School	11
	55	Alyosha Silvester	Converting Sound Energy to Electrical Energy	Glenlyon Norfolk School	9
	33	Liam Whiteside	The Future of Injury Reduction in Contact Sport	St. Michaels University School	8
	73	Betty Huang / Sydney Martin	Soap VS. Soap	St. Michaels University School	7
	3	Carson Beaumont	What Makes Soda Pop?	Pacific Christian School	5

Victoria Natural History Society

	58	William Haines	Does air pressure affect plant growth	Pacific Christian School	5
	32	Amelie French	Horse apples aren't what you think.	Glenlyon Norfolk School	9
	29	Kaitlyn Chan	How do the impacts of wildfires affect the growth of plants	Glenlyon Norfolk School	9
	59	Petra Cherrington-Green	Protect Your Plants From Slugs	Salt Spring Elementary School	4