

60th Vancouver Island Regional Science Fair, April 2022

Overall Winners

First	49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Other	11
Second	48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake	11
Third	41	Junming He	Using neural network to classify garbages	Glenlyon Norfolk School	9
Fourth	45	Nathan Hellner-Mestelman	Breakup is a Drag	Mount Douglas Secondary School	9
Fifth	37	Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School	9
Sixth	39	Evan Papps	Can Slime Mold Adapt and Communicate?	Glenlyon Norfolk School	9
Seventh	33	Erin Plecas	ADHD in classrooms	Glenlyon Norfolk School	9

Division Winners

Senior (Gr. 10-12)

First	46	Wishva Kosgoda	The Toilet Paper Epidemic: Exploring the Effectiveness of Anal Cleansing Methods	Mount Douglas Secondary School	12
Second	47	Kevin Lim	SODIS Water Bottle Holder	Glenlyon Norfolk School	10
Third	50	Isaac Yu	Aerodynamic Drag Reduction with Vortex Generators	Glenlyon Norfolk School	10

Junior (Gr. 8-9)

First	32	Lois Delaney Harnett-Shaw	Screen Time	St Margaret's School	8
Second	40	Sophie Jolivet	Generating Electricity from the Waste Heat Created in Composting	Glenlyon Norfolk School	9
Third	35	Manon Denux & Cindy Chen	The Leaning Tower of Arugula	St. Michaels University School	8
Fourth	34	Ibrahim Khurram	Can we measure agitation and aggression in patients with severe Autism Spectrum Disorder by measurin	Glenlyon Norfolk School	9
Special Mention	42	Daniel Bekker	Measuring distance through bluetooth EMR	Glenlyon Norfolk School	9
	38	Zoë Carroll	Climate Change and Plant Growth	Glenlyon Norfolk School	9
	31	Lucy Turnbull	Which type of mask makes the best water filter	St. Michaels University School	8

Intermediate (Gr. 6-7)

First	20	Beata Ariana-Minniti	Light at Night	Cedar Hill Middle School	7
Second	7	Tess Hellner-Mestelman	Chew On This	Selkirk Montessori School	6

Third	26	Laurian Blachford	Magnus Effect	Other	7
Special Mention	13	Jaeden Sewagudde-Peden	Can You Break Down Plastic At Home	Christ Church Cathedral Educational Society	7
	11	Paige Knowles	How does pH affect common household cleaners?	Cedar Hill Middle School	7
	21	Claire Collings	Building a Stellar Engine: Rationale and Challenges	Christ Church Cathedral Educational Society	6
	8	Liam Pope-Lau & Fraser Tuck	Life Heat Mk.2: The Self-Heating Lifejacket	St. Michaels University School	7
Elementary (Gr. 4-5)					
First	3	Nathan Devine	Rotten Veggies	Pacific Christian School	5
Second	4	Julie Forslund	Rocktastic	Pacific Christian School	5
Third	2	Emily Watson	What temperature do radishes prefer?	Pacific Christian School	5
Fourth	5	Levi Martinez	Launch N Fly	Pacific Christian School	5

Major Awards

Rotary Award - 1st Overall

+ The UVic President's Entrance Scholarship

+ Dean of Science Scholarship

+ Environment Award

49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Pearson College	11
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Schneider Electric Award - 2nd Overall

48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake	11
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StarFish Award - 3rd Overall

+ Engineering Award

41	Junming He	Using neural network to classify garbages	Glenlyon Norfolk School	9
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ASL Environmental Sciences Award - 4th Overall

45	Nathan Hellner-Mestelman	Breakup is a Drag	Mount Douglas Secondary School	9
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Stantec Award - 5th Overall

37	Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School	9
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Victoria Natural History Society Award - 6th Overall

39	Evan Papps	Can Slime Mold Adapt and Communicate?	Glenlyon Norfolk School	9
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Enkin Award - 7th Overall

33	Erin Plecas	ADHD in classrooms	Glenlyon Norfolk School	9
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Alexa Geminiano Awards - Overall Winners 3 or more times

No students qualified in 2022

Provincial Awards

AI Appleton Worksafe Award

No eligible project in 2022

BC Agriculture in the Classroom

17	June Adler and Tran, Mai-Ly	Decomposing Food	Cedar Hill Middle School	7
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BC Game Developers Innovation Award

1st	44 Eric Zhang	What is the best number to choose as the third player in a guessing game of 1-100?	Christ Church Cathedral Educational Society	8
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2nd	45 Nathan Hellner-Mestelman	Breakup is a Drag	Mount Douglas Secondary School	9
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3rd	52 Geoff Lei	A Hidden Markov Model Based Computer Platform for Evaluating Behavior Within a Zero-Sum Game	St. Michaels University School	11
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BC Hydro Power Smart 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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BC Nature Award (Fed of BC Naturalists)

Gr. 4-8	18 Taylor Purves	How can oil spills be cleaned up from ocean catastrophes more efficiently?	Alberni Elementary	7
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Gr. 9-12	39 Evan Papps	Can Slime Mold Adapt and Communicate?	Glenlyon Norfolk School	9
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BC Science Teachers' Award

30	Yingfan Bai and Hoole, Abby	Warped Words and the Stroop Effect	St. Michaels University School	8
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Innovate BC Young Innovator Scholarship

49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Pearson College	11
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Innovate BC Young Innovators Award

41	Junming He	Using neural network to classify garbages	Glenlyon Norfolk School	9
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48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake	11
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Julia Lane Award

1st	37 Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School	9
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2nd	33 Erin Plecas	ADHD in classrooms	Glenlyon Norfolk School	9
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Genome BC Award

Not Awarded in 2022

Michael Crooks Physics Prize				
28	April Simister	Black Holes	Alberni Elementary	7
SCWIST Award				
Not Awarded in 2022				
Ted Rogers Award				
Not Awarded in 2022				
Women in Engineering & Geoscience				
40	Sophie Jolivet	Generating Electricity from the Waste Heat Created in Composting	Glenlyon Norfolk School	9
Provincial Awards - for nomination; application is to be made by student to SFFBC				
Genome BC Scholarship Nomination				
48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake	11
Julia Lane Scholarship Nomination				
49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Pearson College	11
WE Coates Award (Canadian Land Reclamation Association)				
Not Awarded in 2022				
Provincial Awards - selected by SFFBC from among the BC students at the CWSF				
Association of Professional Biologists				
Ministry of Transportation Awards				
Ministry of Transportation Awards				
MIT Alumni of BC Award				
SFU Computing Science Achievement Award				
SFU Engineering Achievement Award				
Vancouver RASC Martha Pearce Award				

Locally Initiated Awards

Air & Waste Management

Not Awarded in 2022

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

Gr. 4-8	20	Beata Ariana-Minniti	Light at Night	Cedar Hill Middle School	7
Gr. 9-12	29	Phoebe Dendes	Algae Power! Can marine algae be used to produce electricity in a photovoltaic cell?	Glenlyon Norfolk School	9

Association of Professional Biology

Not Awarded in 2022

Biology Undergraduate Society (BUGS)

Not Awarded in 2022

BC Hydro - Power Pioneers Award

45	Nathan Hellner-Mestelman	Breakup is a Drag	Mount Douglas Secondary School	9
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BC Hydro - South Island Award

26	Laurian Blachford	Magnus Effect	Other	7
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BC Institute of Agrologists (BCIA)

Elementary	3	Nathan Devine	Rotten Veggies	Pacific Christian School	5
Intermediate	16	Rafaela Patton	How Environmental Variables Affect Mushroom Growth	Christ Church Cathedral Educational Society	7
Junior	40	Sophie Jolivet	Generating Electricity from the Waste Heat Created in Composting	Glenlyon Norfolk School	9
Senior	48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake	11

Drs. Jane Browning & Dave Berry Award

Not Awarded in 2022

Drs. Rosemary & Walter Balfour Award

Winner	10	Nouria Loomer-Douglas	The Effects of Grooming Horses	Christ Church Cathedral Educational Society	7
Hon Mention	9	Anishka Moonsamy	What colours do dogs see best?	Aspengrove School	7

Dr Zonk Award

8	Liam Pope-Lau & Fraser Tuck	Life Heat Mk.2: The Self-Heating Lifejacket	St. Michaels University School	7
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Canadian Meteorological & Oceanographic Society (CMOS)				
26	Laurian Blachford	Magnus Effect	Other	7
37	Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School	9
49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Other	11
Carmanah Technologies - Clean Technology Award				
Not awarded in 2022				
Chemical Institute of Canada VI Section				
Not awarded in 2022				
Engineers & Geoscientists of BC (EGBC)				
Not awarded in 2022				
Gordon Patterson Award				
24	Riley McCarthy	Fast food fries	Other	6
12	Riyann Ali & Christine Webster	How Humans See Colour Versus How Dog See Colour	Alberni Elementary	7
14	Zan Oliphant	Pop to power the planet	Other	7
ImmunoPrecise Antibodies Ltd.				
Not awarded in 2022				
Ocean Networks Canada				
37	Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School	9
Out of the Box Award				
51	Sung Bin (Raphael) Lee	SwimGuard: A Drowning Detection and Alert System	Mount Douglas Secondary School	10
PARC Systems Inc				
41	Junming He	Using neural network to classify garbages	Glenlyon Norfolk School	9
PsiChi Award				
Not awarded in 2022				

Rotary Club of Victoria				
1st	49	Eunjo An	Orange Peels as Biosorbents in the Treatment of Heavy Metal Wastewater	Pearson College 11
2nd	48	Sarah McDonald	Determining the Environmental Effects of Cigarette Butts and Vape Cartridges on Lake Water Samples	Shawnigan Lake 11
3rd	8	Liam Pope-Lau & Fraser Tuck	Life Heat Mk.2: The Self-Heating Lifejacket	St. Michaels University School 7
	37	Katharine Morley	Coagulant Conundrum: Comparing the Efficacy of Natural and Chemical Coagulants	Glenlyon Norfolk School 9
Royal Astronomical Society of Canada, Victoria Chapter (RASC)				
1st	45	Nathan Hellner-Mestelman	Breakup is a Drag	Mount Douglas Secondary School 9
Honourable Mention	20	Beata Ariana-Minniti	Light at Night	Cedar Hill Middle School 7
Schneider Electric - STEM Awards				
	23	Reagan Morley	Soundproofing for my Garage Band: Buffering Low and High Frequency Sound Waves	Christ Church Cathedral Educational Society 6
	20	Beata Ariana-Minniti	Light at Night	Cedar Hill Middle School 7
	43	Preeya Kaur	Dissolving Oils	St. Michaels University School 8
	40	Sophie Jolivet	Generating Electricity from the Waste Heat Created in Composting	Glenlyon Norfolk School 9
	21	Claire Collings	Building a Stellar Engine: Rationale and Challenges	Christ Church Cathedral Educational Society 6
	29	Phoebe Dendes	Algae Power! Can marine algae be used to produce electricity in a photovoltaic cell?	Glenlyon Norfolk School 9
Science Fair Alumni Award				
1st	50	Isaac Yu	Aerodynamic Drag Reduction with Vortex Generators	Glenlyon Norfolk School 10
2nd	42	Daniel Bekker	Measuring distance through bluetooth EMR	Glenlyon Norfolk School 9
3rd	8	Liam Pope-Lau & Fraser Tuck	Life Heat Mk.2: The Self-Heating Lifejacket	St. Michaels University School 7
4th	7	Tess Hellner-Mestelman	Chew On This	Selkirk Montessori School 6
5th	6	Apollin Lu	Plant Robot	St. Michaels University School 7
Scientific Spirit				
Not awarded in 2022				
Victoria Natural History Society				
	36	Liam Shah	Health of Garry Oak Trees - Vancouver Island's Special Trees	St. Michaels University School 8
	39	Evan Papps	Can Slime Mold Adapt and Communicate?	Glenlyon Norfolk School 9
	15	Sophie Goodman	What are effective natural textile dyes?	Christ Church Cathedral Educational Society 7
	4	Julie Forslund	Rocktastic	Pacific Christian School 5

Business Awards

Maritime Museum

Munro's Books

Quarky Science

Russell Books

Shaw Centre for the Salish Sea

Tanner's Books

The Bateman Foundation

Victoria Butterfly Gardens

Victoria Harbourcats

Victoria Harbour Ferry