

56th Vancouver Island Regional Science Fair, April 2017

Overall Winners

First	101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
Second	91	Melody Cheng	A New Phase of Water: Is this measurable with surface tension?	Glenlyon Norfolk School	9
Third	103	Nicolas Fedrigo	Stroke Rehabilitation Exoskeleton	Claremont Secondary School	10
Fourth	98	Ella Chan	Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?	Glenlyon Norfolk School	11
Fifth	83	Yassin Guitouni	The KNEEd for Power	Mount Douglas	9
Sixth	96	Anastasia Castro	Microplastic Ocean Pollution	Glenlyon Norfolk School	9
Seventh	82	Nattan Telmer	Powering animal trackers through the use of TEG's	Mount Douglas	9
Senior Division					
First	102	Hanqing Yang ShaoBo Zhang	Megamind - An Intelligent Cycling Safety Assistant	Glenlyon Norfolk School Collingwood	10 11
Second	100	Willemien Miller Tara MacNicol	Effects of media type on students' judgements of unknown individuals	PSII PSII	10 11
Third	99	Anna Ciceri	Antibacterial Components of Honey Against Bacteria with Metal Ion Catalysts	Glenlyon Norfolk School	11
Junior Division					
First	81	Matthew Buckler	Bras Robotique	Central Middle School School	8
Second	104	Leo Prosalendis	Testing for Cystic Fibrosis	Glenlyon Norfolk School	9
Third	93	Sofie Finn Storan	Elevated Gastric pH and NSAID Dissolution Time	Glenlyon Norfolk School	9
Fourth	109	Delwyn Marcoux	Study of Daylighting Systems	G.P. Vanier	9
Fifth	92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
Intermediate Division					
First	72	Wishva Kosgoda	Natural Solutions for Burning Issues	Arbutus Middle School	7
Second	65	Paige Hudak-Kesteven	Preen N' Clean	St. Margaret's School	7
Third	61	Gemma Costi	Le Projet Des Boîtes à Sons (The Sound Box Project)	Central Middle School School	6
Fourth	23	Tija Cooper Jessie Rempel	Amazing Aquaponics	Pender Islands Elem-Secondary Pender Islands Elem-Secondary	6 6
Fifth	77	Ripley Stafford	Unlock the Key	Pender Islands Elem-Secondary	7
Elementary Division					
First	17	Cooper Gill Jonathan Attwell	Which Windmill?	Frank Hobbs Elementary School Frank Hobbs Elementary School	5 5
Second	21	Sophia Eiley Sebastian Dunn-Krahn	Bird Brain or Smart Egg?	Frank Hobbs Elementary School Frank Hobbs Elementary School	5 5
Third	26	Kira Hawthorne	The Pea-Pee Project	Pacific Christian School	5
Fourth	1	Kiera Shea Keeley Delaney	Is Drool Cool? Myth or Fact	Frank Hobbs Elementary School Frank Hobbs Elementary School	4 5
Fifth	4	Matthew Ohnona	The forces of flipping	Pender Islands Elem-Secondary	5

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Major Awards

Starfish Award - 1st Overall

+ The President's Entrance Scholarship

+ Dean of Science Scholarship

101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
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Black Press Award - 2nd Overall

91	Melody Cheng	A New Phase of Water: Is this measurable with surface tension?	Glenlyon Norfolk School	9
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Rotary Award - 3rd Overall

103	Nicolas Fedrigo	Stroke Rehabilitation Exoskeleton	Claremont Secondary School	10
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Jasco Award - 4th Overall

98	Ella Chan	Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?	Glenlyon Norfolk School	11
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Enkin Award - 5th Overall

83	Yassin Guitouni	The KNEEd for Power	Mount Douglas	9
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Alexa Geminiano Award - *Students who are Overall Winners 3 or more times*

None eligible in 2017

Nathan Geminiano Award - *Students who are Overall Winners for a 2nd time*

103	Nicolas Fedrigo	Stroke Rehabilitation Exoskeleton	Claremont Secondary School	10
82	Nattan Telmer	Powering animal trackers through the use of TEG's	Mount Douglas	9

Engineering Award

103	Nicolas Fedrigo	Stroke Rehabilitation Exoskeleton	Claremont Secondary School	10
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Environment Award

96	Anastasia Castro	Microplastic Ocean Pollution	Glenlyon Norfolk School	9
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Provincial Awards

AI Appleton Worksafe Award

88 Hayley Ellmann Cold Hands Warm Hearts St. Margaret's School 9

BC Agriculture in the Classroom

23 Tija Cooper Amazing Aquaponics Pender Islands Elem-Secondary 6
 Jessie Rempel Pender Islands Elem-Secondary 6

BC Hydro Power Pioneers Award

103 Nicolas Fedrigo Stroke Rehabilitation Exoskeleton Claremont Secondary School 10

BC Nature

Sr. / Jr. 96 Anastasia Castro Microplastic Ocean Pollution Glenlyon Norfolk School 9
 Elem. / Int. 62 Emma Attwell Oh Deer! Other 6

BC Science Teachers' Award

72 Wishva Kosgoda Natural Solutions for Burning Issues Arbutus Middle School 7

BCIC Young Innovator Scholarship

Not awarded in 2017

Division for Advancement of Women in Engineering and Geoscience (DAWEG)

101 Annie McLeod Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells Glenlyon Norfolk School 10

Genome BC Award

104 Leo Prosalendis Testing for Cystic Fibrosis Glenlyon Norfolk School 9
 21 Sophia Eiley Bird Brain or Smart Egg? Frank Hobbs Elementary School 5
 Sebastian Dunn-Krahn Frank Hobbs Elementary School 5

Michael Crooks Prize (Physics)

91 Melody Cheng A New Phase of Water: Is this measurable with surface tension? Glenlyon Norfolk School 9

Society for Canadian Women in Science & Technology Award (SCWIST)

92 Zofka Svec Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell Glenlyon Norfolk School 9

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Provincial Awards - for nomination

Genome BC Scholarship

Not awarded in 2017

WE Coates Award: Canadian Land Reclamation Association

95	Luzdana Escalante Nava	Measuring Water pH in the Victoria District	Glenlyon Norfolk School	9
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Locally Initiated Awards

Alumni Award

Senior	99	Anna Ciceri	Antibacterial Components of Honey Against Bacteria with Metal Ion Catalysts	Glenlyon Norfolk School	11
Junior	92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
Intermediate	72	Wishva Kosgoda	Natural Solutions for Burning Issues	Arbutus Middle School	7
Elementary	27	Rheanna Finigan		Frank Hobbs Elementary School	5
		Taylor Wong		Frank Hobbs Elementary School	5

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

92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
48	Anna Erickson	Electro-Flow	St. Margaret's School	6

Association of Professional Biologists

42	Jack Doehler	Ocean Acidification	George Bonner Elementary School	6
82	Nattan Telmer	Powering animal trackers through the use of TEG's	Mount Douglas	9

Victoria Branch of APEG BC

Senior

First	101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
Second	103	Nicolas Fedrigo	Stroke Rehabilitation Exoskeleton	Claremont Secondary School	10
Third	102	Hanqing Yang	Megamind - An Intelligent Cycling Safety Assistant	Glenlyon Norfolk School	10
		ShaoBo Zhang		Collingwood	11

Junior

First	75	Tesnim Mtiraoui	Bicycle Power Generator	St. Margaret's School	8
Second	82	Nattan Telmer	Powering animal trackers through the use of TEG's	Mount Douglas	9
Third	109	Delwyn Marcoux	Study of Daylighting Systems	G.P. Vanier	9

Intermediate

First	63	Nathan Harlan	Biketricity!	Home-Schooled	7
Second	73	Anjali Campbell	Video Game For Blind People	St. Margaret's School	7
Third	79	Aidan Huang	La Nouvelle Generation d'Energie	Central Middle School School	7
		Juliana Monk		Central Middle School School	7

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Victoria Branch of APEG BC (cont'd)

Elementary

First	12	Charlotte Poore	Soccer Surfaces	St. Margaret's School	6
Second	40	Jayden Cristini Owen King	How Much Weight Can a Spaghetti Bridge Take?	Frank Hobbs Elementary School	5
Third	60	Prithviraj Mukherjee	Energy Production from Household Organic Wastes	Frank Hobbs Elementary School Arbutus Middle School	5 6

Air & Waste Management Association

17	Cooper Gill Jonathan Attwell	Which Windmill?	Frank Hobbs Elementary School Frank Hobbs Elementary School	5 5
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BC Institute of Agrologists Award

Senior	101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
Junior	92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
Intermediate	78	Lauren Ohnona	MICROPLASTICS-From Laundry to Ocean	Pender Islands Elem-Secondary	7
Elementary	18	Braelyn Junghans	Eat, Sleep, Poop and Make Plants	Pacific Christian School	5

BC Hydro - Power Smart Award

82	Nattan Telmer	Powering animal trackers through the use of TEG's	Mount Douglas	9
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BC Hydro - South Island Award

92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
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Biology Undergraduate Society (BUGS)

Winner	101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
Runner up	21	Sophia Eiley Sebastian Dunn-Krahn	Bird Brain or Smart Egg?	Frank Hobbs Elementary School Frank Hobbs Elementary School	5 5

Canadian Meteorological & Oceanographic Society

48	Anna Erickson	Electro-Flow	St. Margaret's School	6
91	Melody Cheng	A New Phase of Water: Is this measurable with surface tension?	Glenlyon Norfolk School	9
95	Luzdana Escalante Nava	Measuring Water pH in the Victoria District	Glenlyon Norfolk School	9
96	Anastasia Castro	Microplastic Ocean Pollution	Glenlyon Norfolk School	9

Carmanah Technologies - Clean Technology Award

63	Nathan Harlan	Biketricity!	Home-Schooled	7
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Drs. Jane Browning & Dave Berry Award

93	Sofie Finn Storan	Elevated Gastric pH and NSAID Dissolution Time	Glenlyon Norfolk School	9
102	Hanqing Yang ShaoBo Zhang	Megamind - An Intelligent Cycling Safety Assistant	Glenlyon Norfolk School Collingwood	10 11

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Drs. Rosemary & Walter Balfour Award

First	32	Leif Stumpf	Catapults on the Roll	Pender Islands Elem-Secondary	4
Second	4	Matthew Ohnona	The forces of flipping	Pender Islands Elem-Secondary	5

Gordon Patterson Award

	26	Kira Hawthorne	The Pea-Pee Project	Pacific Christian School	5
	1	Kiera Shea	Is Drool Cool? Myth or Fact	Frank Hobbs Elementary School	4
		Keeley Delaney		Frank Hobbs Elementary School	5
	4	Matthew Ohnona	The forces of flipping	Pender Islands Elem-Secondary	5

The 'N' Award

	65	Paige Hudak-Kesteven	Preen N' Clean	St. Margaret's School	7
	64	Owen Bardy	Pacific Power	Colquitz Middle School	7
	74	Hilary Bulled	Sweet But Dangerous	Pender Islands Elem-Secondary	7

PARC Systems

	73	Anjali Campbell	Video Game For Blind People	St. Margaret's School	7
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PsiChi UVic

First	100	Willemien Miller	Effects of media type on students' judgements of unknown individuals	PSII	10
		Tara MacNicol		PSII	11
Second	77	Ripley Stafford	Unlock the Key	Pender Islands Elem-Secondary	7
Third	39	Kahlan Arnold	Hocus Pocus! What Helps You Focus?	Pacific Christian School	5

Rotary Club of Victoria

	78	Lauren Ohnona	MICROPLASTICS-From Laundry to Ocean	Pender Islands Elem-Secondary	7
	7	Ava Goodwin	A Concrete Way to Recycle	Pacific Christian School	5
	101	Annie McLeod	Marine Brown Algae Extracted Fucoxanthin & Phlorotannin in Dye-Sensitized Solar Cells	Glenlyon Norfolk School	10
	43	Hannah Lopez	Bolt Beam	Pacific Christian School	5

Royal Astronomical Society of Canada, Victoria Chapter

	20	George Sleen	Quelle est la meilleure facon de bloquer les rayons cosmiques?	Central Middle School School	6
	80	Ryan Anbudaiyan	Space Elevator: Reality or Fantasy?	Christ Church Cathedral Educ. Soc.	8

Science Venture

	17	Cooper Gill	Which Windmill?	Frank Hobbs Elementary School	5
		Jonathan Attwell		Frank Hobbs Elementary School	5

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Victoria Natural History Society

23	Tija Cooper Jessie Rempel	Amazing Aquaponics	Pender Islands Elem-Secondary Pender Islands Elem-Secondary	6 6
92	Zofka Svec	Energy From Algae: Voltage optimization in a photosynthetic microbial fuel cell	Glenlyon Norfolk School	9
86	Alexandra Roberts	The Dead Pool	St. Margaret's School	8
9	Fionuala Stafford Meredith Boyd	Fantastic Filters	Pender Islands Elem-Secondary Pender Islands Elem-Secondary	5 5

Scientific Spirit Awards

102	Hanqing Yang ShaoBo Zhang	Megamind - An Intelligent Cycling Safety Assistant	Glenlyon Norfolk School Collingwood	10 11
93	Sofie Finn Storan	Elevated Gastric pH and NSAID Dissolution Time	Glenlyon Norfolk School	9
61	Gemma Costi	Le Projet Des Boîtes à Sons (The Sound Box Project)	Central Middle School School	6
26	Kira Hawthorne	The Pea-Pee Project	Pacific Christian School	5
108	Josh Bowder	Court Size Optimization for Wheelchair Basketball	Glenlyon Norfolk School	9
45	Katelyn Maybie	non- Newtonian fluid	St. Margaret's School	5
79	Aidan Huang Juliana Monk	La Nouvelle Generation d'Energie	Central Middle School School Central Middle School School	7 7

Chair's Awards

University of Victoria Education Chairs' Award

39	Kahlan Arnold	Hocus Pocus! What Helps You Focus?	Pacific Christian School	5
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University of Victoria Engineering Chairs' Award

81	Matthew Buckler	Bras Robotique	Central Middle School School	8
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University of Victoria Science Chairs' Award

65	Paige Hudak-Kesteven	Preen N' Clean	St. Margaret's School	7
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University of Victoria Social Science Chairs' Award

100	Willemien Miller Tara MacNicol	Effects of media type on students' judgements of unknown individuals	PSII PSII	10 11
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Business Awards

Bateman Centre

55	Abigail Reid	Got Broom?	St. Margaret's School	6
56	Sabrina Saenko	Does human creativity have a connection with their preferences?	St. Margaret's School	6
57	Madeleine Kelly	Balance	St. Margaret's School	6
59	Rebecca Stone	Testing the voltage of different fruits and vegetables.	Christ Church Cathedral Educ. Soc.	6
	Anais Chace		Christ Church Cathedral Educ. Soc.	6

Cordova Bay Golf

3 Given to Student Golfers

CVS Sightseeing

102	Hanqing Yang ShaoBo Zhang	Megamind - An Intelligent Cycling Safety Assistant	Glenlyon Norfolk School	10
109	Delwyn Marcoux	Study of Daylighting Systems	Collingwood G.P. Vanier	11 9

Dance Victoria

100	Willemien Miller Tara MacNicol	Effects of media type on students' judgements of unknown individuals	PSII PSII	10 11
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IMAX theatre

54	Louisa Lobmeier	Approaching Pups: Does Size Matter?	St. Margaret's School	6
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Maritime Museum

46	Naomi Corwin	Sight or Sound?	St. Margaret's School	5
42	Jack Doehler	Ocean Acidification	George Bonner Elementary School	6
51	Thomas Webster	Tsunamis	Lighthouse Christian Academy Society	6
49	Maya Tschudin	La reaction des objets à un champ magnétique	Central Middle School School	6
	Asa O'Connor-Jaeckel		Central Middle School School	6
40	Jayden Cristini	How Much Weight Can a Spaghetti Bridge Take?	Frank Hobbs Elementary School	5
	Owen King		Frank Hobbs Elementary School	5

Mineral World & The Scratch Patch

93	Sofie Finn Storan	Elevated Gastric pH and NSAID Dissolution Time	Glenlyon Norfolk School	9
2	Abigail Winder	Thieves VS Bacteria	Pacific Christian School	5

Miniature World

43	Hannah Lopez	Bolt Beam	Pacific Christian School	5
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Munro's Books

97	Linden Girardeaux	Teenage Brain Under Construction	St. Margaret's School	9
94	Caitlyn Ledohowski	Focused Solar Evaporation through Capillary Action	Pacific Christian School	9

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Ocean River Sports

108	Josh Bowder	Court Size Optimization for Wheelchair Basketball	Glenlyon Norfolk School	9
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Pearson

91	Melody Cheng	A New Phase of Water: Is this measurable with surface tension?	Glenlyon Norfolk School	9
95	Luzdana Escalante Nava	Measuring Water pH in the Victoria District	Glenlyon Norfolk School	9

Prince of Whales

98	Ella Chan	Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?	Glenlyon Norfolk School	11
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Quarky Science

10	Maryam Mtiraoui	A Cure For Fungus	St. Margaret's School	5
19	Aaron Djilali	The Magnus Effect - May the Force Be With You	St Michaels University School	6
	Oliver Scott		École Victor-Brodeur	6
41	Xavier Gifford	Additive Versus Subtractive Colour/ Les couleurs additifs et soustractifs	Central Middle School School	6
46	Naomi Corwin	Sight or Sound?	St. Margaret's School	5
63	Nathan Harlan	Biketricity!	Home-Schooled	7
80	Ryan Anbudaiyan	Space Elevator: Reality or Fantasy?	Christ Church Cathedral Educ. Soc.	8
87	Ines Khouider	Finding Landmines; A Mine Detecting Robot	St. Margaret's School	8

Royal BC Museum

98	Ella Chan	Oral Infections: Does lactoferrin inhibit the bactericidal action of eugenol?	Glenlyon Norfolk School	11
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Russell Books

89	Luciana Gonzalez	The effect of fermentation on the amount of sugar in a fruit.	Glenlyon Norfolk School	9
87	Ines Khouider	Finding Landmines; A Mine Detecting Robot	St. Margaret's School	8

Shaw Centre for the Salish Sea

52	Cypress Kouri	Être invisible, maintenant possible! Les formes furtives.	École Victor-Brodeur	6
	Hayden Toupin		École Victor-Brodeur	6

Tanners Books

85	Callista McCreesh	Saliva Science	St. Andrew's Regionl High School	8
76	Owen Goertz	The horns of a Dilemma	Pender Islands Elem-Secondary	7

Victoria Bug Zoo

8	Lauren Frost	Beastly Bacteria	Frank Hobbs Elementary School	5
	Daniel Zhang		Frank Hobbs Elementary School	5
13	Zeinab Guitouni	Taste my Energy!	École Victor-Brodeur	4
	Thea Damian		École Victor-Brodeur	4

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Victoria Butterfly Gardens

68	Emma Byrne	How does age affect our fears	Pender Islands Elem-Secondary	8
	Paige Vassallo		Pender Islands Elem-Secondary	8

Victoria Harbourcats

83	Yassin Guitouni	The KNEEd for Power	Mount Douglas	9
105	Jakob Svorkdal	Concrete Alternatives: Is there a better solution?	Glenlyon Norfolk School	9
106	Jack DesBrisay	Stayin Alive	Glenlyon Norfolk School	9

Victoria Harbour Ferry

3	Jude Edington Luka Hurschler	Measuring the pull of electromagnets by changing metal wires	Christ Church Cathedral Educational Society	5 5
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Victoria Symphony

Teacher Award	-		—	Katherine Tevaarwerk	Frank Hobbs Elementary School
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