

## 60th Vancouver Island Regional Science Fair, April 2021

### Overall Winners

First	195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk	11
Second	67	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Mount Doug Secondary School	12
Third	119	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers	Glenlyon Norfolk School	9
Fourth	112	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Glenlyon Norfolk School	9
Fifth	205	Willow Tzonev	Carbon Killer	St. Michaels University School	8
Sixth	254	Wishva Kosgoda	Impact of Exercise on Insulin Resistance and Blood Glucose Spikes	Mount Doug Secondary School	11
Seventh	180	Dianna Hu	Self Watering Plant Pot	South Island Distance Learning	8

### Division Winners

#### Senior

First	296	Mingyang Sun	Potential Causes and Effects of the Fluctuation of pH and ORP Values	Brentwood College School	11
Second	298	Shreya Sivakumar	Designing an Innovative Password Strength and Validation Tool	Mount Doug Secondary School	11
Third		Not awarded in 2021			
Fourth		Not awarded in 2021			
Fifth		Not awarded in 2021			

#### Junior

First	244	Candice Wu	Plants on Mars	St. Michaels University School	8
Second	218	Haven Miller and Will Porter	The Case on Bacteria	St. Michaels University School	8
Third (tie)	76	Chelsea Lee	Solar Car of the Future	St. Michaels University School	8
Third (tie)	179	Nathan Hellner-Mestelman	Actually, it IS Rocket Science	Selkirk Montessori School	8
Third (tie)	208	Chloe Lam and Tina Wang	DIY penicillin	St. Michaels University School	8

#### Intermediate

First	230	Manon Denux and Ellie Lobb	Movement for Memory	St. Michaels University School	7
Second	47	Liam Shah	Plant Based Milk Alternatives	St. Michaels University School	6
Third	188	West Dingle and Tiffany Lu	The Colour of Memory	St. Michaels University School	6
Fourth		Not awarded in 2021			
Fifth		Not awarded in 2021			

## 60th Vancouver Island Regional Science Fair, April 2021

### Elementary

First	111	Averi Kuo	Effects of Saturation in Crystal Growth	Christ Church Cathedral School	5
Second	129	Tess Hellner-Mestelman	I.C.E. (Ice Cold Experiment)	Selkirk Montessori School	5
Third (tie)	118	Daryna Mitovska	Impact of the previously heated water on the seed growth	Kelset Elementary School	5
Third (tie)	226	Maya Kamel	Electrical Conductivity of Solutions	Oceanside Elementary	5

### Honourable Mention

Senior	Not awarded in 2021				
Junior	Not awarded in 2021				
Intermediate	Not awarded in 2021				
Elementary	Not awarded in 2021				

## Major Awards

### Rotary Award - 1st Overall

- + The Rotary Post-Secondary Education Scholarship
- + The UVic President's Entrance Scholarship
- + Dean of Science Scholarship

195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
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### StarFish Medical Award - 2nd Overall

67	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Mount Doug Secondary School	12
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### JASCO Award - 3rd Overall

119	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers	Glenlyon Norfolk School	9
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### Aurinia Award - 4th Overall

112	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Glenlyon Norfolk School	9
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## 60th Vancouver Island Regional Science Fair, April 2021

### Victoria Natural History Society Award - 5th Overall

205	Willow Tzonev	Carbon Killer	St. Michaels University School	8
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### Enkin Award - 6th Overall

254	Wishva Kosgoda	Impact of Exercise on Insulin Resistance and Blood Glucose Spikes	Mount Doug Secondary School	11
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### 7th Overall

180	Dianna Hu	Self Watering Plant Pot	South Island Distance Learning	8
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### NSERC Young Innovator Award

195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
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### Alexa & Nathan Geminiano Awards - Overall Winners 2 or more times

No eligible winners in 2021

## Provincial Awards

### Al Appleton Worksafe Award

112	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Glenlyon Norfolk School	9
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### BC Agriculture in the Classroom

119	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers	Glenlyon Norfolk School	9
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### BC Game Developers Innovation Award

Gr 11-12	298	Shreya Sivakumar	Designing an Innovative Password Strength and Validation Tool	Mount Doug Secondary School	11
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Gr 9-10	-	Not Awarded in 2021			
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Gr 7-8	205	Willow Tzonev	Carbon Killer	St. Michaels University School	8
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### BC Hydro Power Pioneers Award

76	Chelsea Lee	Solar Car of the Future	St. Michaels University School	8
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### BC Nature Award (Fed of BC Naturalists)

67	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Mount Doug Secondary School	12
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Only one prize in 2021

### BC Science Teachers' Award

47	Liam Shah	Plant Based Milk Alternatives	St. Michaels University School	
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## 60th Vancouver Island Regional Science Fair, April 2021

### Michael Crooks Physics Prize

179	Nathan Hellner-Mestelman	Actually, it IS Rocket Science	Selkirk Montessori School	8
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### Sanofi Biogenius

195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
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67	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Mount Doug Secondary School	12
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119	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers	Glenlyon Norfolk School	9
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### SCWIST Award

#1	112 Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Glenlyon Norfolk School	9
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#2	205 Willow Tzonev	Carbon Killer	St. Michaels University School	8
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### Ted Rogers Award

112	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Glenlyon Norfolk School	9
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### Women in Engineering & Geoscience

314	Jessica Liao	Piezoelectric Floor Tiles	St. Michaels University School	8
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## Provincial Awards - for nomination; application is to be made by student to SFFBC

### Aquatic Informatics Water Award

67	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Mount Doug Secondary School	12
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### Discovery Ocean Plastic Innovation Award - Not Awarded in 2021

### Genome BC Scholarship - Not Awarded in 2021

### Innovate BC Young Innovator Scholarship

195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
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### WE Coates Award (Canadian Land Reclamation Association)

119	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers Spent Grain	Glenlyon Norfolk School	9
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## 60th Vancouver Island Regional Science Fair, April 2021

### 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 2021

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

195 Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
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205 Willow Tzonev	Carbon Killer	St. Michaels University School	8
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**Association of Professional Biology** - Not Awarded in 2021

**Biology Undergraduate Society (BUGS)** - Not Awarded in 2021

**BC Hydro - Power Smart Award** - Not Awarded in 2021

**BC Hydro - South Island Award** - Not Awarded in 2021

#### BC Institute of Agrologists (BCIA)

180 Dianna Hu	Self Watering Plant Pot	South Island Distance Learning	8
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119 Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers Spent Grain	Glenlyon Norfolk School	9
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284 Kate Porter	Weed Get Gone	St. Michaels University School	6
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244 Candice Wu	Plants on Mars	St. Michaels University School	8
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**Drs. Jane Browning & Dave Berry Award** - Not Awarded in 2021

**Drs. Rosemary & Walter Balfour Award** - Not Awarded in 2021

**Canadian Meteorological & Oceanographic Society (CMOS)** - Not Awarded in 2021

#### Carmanah Technologies - Clean Technology Award

81 Charlotte Bedford Naomi Ding	Current Power: How could ocean currents save the planet	St. Margaret's School	7
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**Chemical Institute of Canada VI Section** - Not Awarded in 2021

## 60th Vancouver Island Regional Science Fair, April 2021

### Engineers & Geoscientists of BC (EGBC)

First Elem.	226	Maya Kamel	Electrical Conductivity of Solutions	Ecole Oceanside Elementary	5
Intermediate	30	Jose Miguel Valdes Rodriguez	Dyson Sphere: The megastructure of the future	Ecole John Stubbs Memorial	7
Junior	82	Angel Stewart-Haudenschild	Death From Heartbreak - How Does It Happen?		9
Senior	296	Mingyang Sun	Potential Causes and Effects of the Fluctuation of pH and ORP Values	Brentwood College School	11
Second	-	Not awarded in 2021			
	188	West Dingle Tiffany Lu	The Colour of Memory	St. Michaels University School	6
	218	Haven Miller Will Porter	The Case on Bacteria	St. Michaels University School	8
	298	Shreya Sivakumar	Designing an Innovative Password Strength and Validation Tool	Mount Doug Secondary School	11

**Gordon Patterson Award - Not Awarded in 2021**

**ImmunoPrecise Antibodies Ltd. - Not Awarded in 2021**

**Ocean Networks Canada - Not Awarded in 2021**

**Out of the Box Award - Not Awarded in 2021**

**PARC Systems Inc - Not Awarded in 2021**

**PsiChi Award - Not Awarded in 2021**

### Rotary Club of Victoria - Environment Awards

1st	195	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Glenlyon Norfolk School	11
2nd	76	Chelsea Lee	Solar Car of the Future	St. Michaels University School	8
3rd	129	Tess Hellner-Mestelman	I.C.E. (Ice Cold Experiment)	Selkirk Montessori School	5

**Royal Astronomical Society of Canada, Victoria Chapter (RASC) - Not Awarded in 2021**

**Schneider Electric - STEM Awards - Not Awarded in 2021**

### Science Fair Alumni Award

	230	Manon Denux Ellie Lobb	Movement for Memory	St. Michaels University School	7
	179	Nathan Hellner-Mestelman	Actually, it IS Rocket Science	Selkirk Montessori School	8

**Scientific Spirit - Not Awarded in 2021**

## 60th Vancouver Island Regional Science Fair, April 2021

**University of Victoria Education Chairs' Award - Not Awarded in 2021**

**University of Victoria Engineering Chairs' Award - Not Awarded in 2021**

**University of Victoria Science Chairs' Award - Not Awarded in 2021**

### **Victoria Natural History Society**

218	Haven Miller Will Porter	The Case on Bacteria	St. Michaels University School	8
180	Dianna Hu	Self Watering Plant Pot	South Island Distance Learning	8
152	Derishthi Govender Bianca Toaxen	Pandemic Pollution: A Soluble Solution	St. Michaels University School	8

### **Business Awards**

#### **Munro's Books**

226	Maya Kamel	Electrical Conductivity of Solutions	Oceanside Elementary	5
118	Daryna Mitovska	Impact of the previously heated water on the seed growth	Kelset Elementary School	5

#### **Russell Books**

111	Averi Kuo	Effects of Saturation in Crystal Growth	Christ Church Cathedral School	5
188	West Dingle Tiffany Lu	The Colour of Memory	St. Michaels University School	6
208	Chloe Lam Tina Wang	DIY penicillin	St. Michaels University School	8
244	Candice Wu	Plants on Mars	St. Michaels University School	8

**The Following Businesses have been consistent supporters of the Science Fair  
Due to the poor economic conditions in 2021 we did not ask for donations**

**Black Ball Ferry Line**

**Canadian College of Performing Arts**

**Cordova Bay Golf**

**Dance Victoria**

**IMAX Theatre Victoria**

**Maritime Museum**

**Miniature World**

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**Prince of Whales**

**Quarky Science**

**Royal BC Museum**

**Shaw Centre for the Salish Sea**

**Tanner's Books**

**The Bateman Foundation**

**Victoria Bug Zoo**

**Victoria Butterfly Gardens**

**Victoria Harbourcats**

**Victoria Harbour Ferry**

**Victoria Symphony**