

Award Name	Awardee	Project Title	Region
AI Appleton WorkSafeBC Award	Oliver Boniface	Masked Performance	Central Interior
AI Appleton WorkSafeBC Award	Kingsley Duong	Science Fair 2021	Central Okanagan
AI Appleton WorkSafeBC Award	Hugh McDougall	Squeaky Clean	East Kootenay
AI Appleton WorkSafeBC Award	Ava Bhura	The effectiveness of masks in the prevention of spreading germs	Greater Vancouver
AI Appleton WorkSafeBC Award	Marc Judd Canon	Disinfecting: A Necessity	Northern BC
AI Appleton WorkSafeBC Award	Sierra Watson	Viruses: What's the big deal?	Northern Vancouver Island
AI Appleton WorkSafeBC Award	Garvansh Aujla Jasmeet Sangha	202 Where are the most germs in our school?	South Fraser
AI Appleton WorkSafeBC Award	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Vancouver Island
AI Appleton WorkSafeBC Award	Ann Gabot	How Much Bacteria is in the School	Yukon / Stikine
AI Appleton WorkSafeBC Award	Charlotte Brooker	How Much Bacteria is in the School	Yukon / Stikine

Award Name	Awardee	Project Title	Region
Aquatics Informatics Water Award	Natasha Poon, Amy Tang	Is Your Sunscreen Killing Coral Reefs?	Greater Vancouver
Aquatics Informatics Water Award	Lucia Gastiazoro & Sacha Fleury-Allen	The Spread of the Invasive Yellow Floating Heart: The root of the problem	Pacific Northwest
Aquatics Informatics Water Award	Aishwarya Aishwarya	128 The Clean Solution to the Indigenous Water Crisis	South Fraser
Aquatics Informatics Water Award	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Vancouver Island
Aquatics Informatics Water Award	Aaima Hafeez	Absorb That Water: 2021 Contest	Yukon / Stikine

Award Name	Awardee	Project Title	Region
BC Agriculture in the Classroom Award	Eboni Samaha	Medicinal Benefits of Aboriginal Plants	Cariboo Mainline
BC Agriculture in the Classroom Award	Alex Lea	Soil Remineralization-Improving Bio-Mass and Nutrient Levels	Central Interior
BC Agriculture in the Classroom Award	Isabella Hendricks	Capturing Carbon	Central Okanagan
BC Agriculture in the Classroom Award	Ariana Davidson	Growing the Future of Plastic: Pleurotus ostreatus Mycelium A Biodegradable Alyernative	East Kootenay
BC Agriculture in the Classroom Award	Tessa Rebele	Guess What Oysters Are Eating?	Fraser Valley
BC Agriculture in the Classroom Award	Alexa Foster	Biochar: Then and Now	Greater Vancouver
BC Agriculture in the Classroom Award	Jimin Kim	Keeping Potatoes Yummy	Northern BC
BC Agriculture in the Classroom Award	Mackenzie Pottage	Fish Farming	Northern Vancouver Island
BC Agriculture in the Classroom Award	Sebastian Audet	Seymour Lake is Broken (floating) Hearted	Pacific Northwest
BC Agriculture in the Classroom Award	Heidi Burgert	19 Drought Machine	South Fraser
BC Agriculture in the Classroom Award	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers Spent Grain	Vancouver Island
BC Agriculture in the Classroom Award	Catherine Austin	Water Treatment	West Kootenay
BC Agriculture in the Classroom Award	Ever Wirth	I Can't Believe it!	Yukon / Stikine

Award Name	Awardee	Project Title	Region
BC Game Developer's Award	Ansh Vashisht	Dealing with diabetes Creating an Artificial Pancreas	Cariboo Mainline
BC Game Developer's Award	Romy Hansen	Blue Lumiere	Cariboo Mainline
BC Game Developer's Award	Michaela Stillwell, Antonia Tannert	Straws: Impact and Solution	Central Interior
BC Game Developer's Award	Giann Hoonjan	Light Pollution in Kelowna	Central Okanagan
BC Game Developer's Award	Kristina Garagan	Frilled Explorer Drone Design and Concept	Central Okanagan
BC Game Developer's Award	Amy Attella	The Ultrasonic Bear Bell	East Kootenay
BC Game Developer's Award	Raiparta Curry	Smart Parking	Fraser Valley
BC Game Developer's Award	Kaida Okamura	Audio Math	Greater Vancouver
BC Game Developer's Award	Van Last	Run Speed of Video Game Characters	Northern Vancouver Island
BC Game Developer's Award	Daniel Kornlyo	Challenging Traditional Vivariums	Northern Vancouver Island
BC Game Developer's Award	Nathan Yeung	140 Hyperfocus: A New Kind of Timer	South Fraser
BC Game Developer's Award	Robin Yadav	315 Wildfire Drone Automation Using Deep Learning	South Fraser
BC Game Developer's Award	Ishan Leung	79 Stuck In The Middle With You: Crossing The Midline	South Fraser
BC Game Developer's Award	Shreya Sivakumar	Designing an Innovative Password Strength and Validation Tool	Vancouver Island
BC Game Developer's Award	Willow Tzonev	Carbon Killer	Vancouver Island

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Award Name	Awardee	Project Title	Region
BC Game Developer's Award	Dublin Whiteside	Life Cycle of a Star	West Kootenay
BC Game Developer's Award	Hayden Persad	Development of a Pathogen Barrier Device	West Kootenay
BC Game Developer's Award	Kaylan Monteith	Water Electrolyzer	West Kootenay
BC Game Developer's Award	Rylee Saxby	To Shoot or Not to Shoot?	Yukon / Stikine

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Award Name	Awardee	Project Title	Region
BC Greenhouse Growers' Award	Tessa Rebele	Guess What Oysters Are Eating?	Fraser Valley
BC Greenhouse Growers' Award	Aaron Zhao	Exploiting Hydrotropism and Hydropatterning in Wheat Plants to Boost Growth	Greater Vancouver
BC Greenhouse Growers' Award	Jessica Tang	324 A Novel Deep Reinforcement Learning Controller for Vertical Farming	South Fraser

Award Name	Awardee	Project Title	Region
BC Hydro Award	Adam Patton	The Shapes of the Future	Cariboo Mainline
BC Hydro Award	Giann Hoonjan	Light Pollution in Kelowna	Central Okanagan
BC Hydro Award	Ariana Davidson	Growing the Future of Plastic: Pleurotus ostreatus Mycelium A Biodegradable Alyernative	East Kootenay
BC Hydro Award	Raiparta Curry	Smart Parking	Fraser Valley
BC Hydro Award	Jett Wu	Electric Defections	Greater Vancouver
BC Hydro Award	Allie Elias-Bertrim	May the Force be with You	Northern BC
BC Hydro Award	Charlie Zhang	327 The Peltier Water Bottle	South Fraser
BC Hydro Award	Chelsea Lee	Solar Car of the Future	Vancouver Island
BC Hydro Award	Luc Austin	Carbon Capture	West Kootenay
BC Hydro Award	Luke Grantham	Ecstatic Electricity	Yukon / Stikine

Award Name	Awardee	Project Title	Region
BC Nature Award	Jemma Blattner	Round Up Those Worms	Central Interior
BC Nature Award	Giann Hoonjan	Light Pollution in Kelowna	Central Okanagan
BC Nature Award	Isabella Hendricks	Capturing Carbon	Central Okanagan
BC Nature Award	Natasha Poon, Amy Tang	Is Your Sunscreen Killing Coral Reefs?	Greater Vancouver
BC Nature Award	Eboni Samaha	Medicinal Benefits of Aboriginal Plants	Cariboo Mainline
BC Nature Award	Tessa Rebele	Guess What Oysters Are Eating?	Fraser Valley
BC Nature Award	Jonathan Leung	A Comparison of 2 Health Assessment Methods for Prunus cerasifera 'Atropurpurea'	Greater Vancouver
BC Nature Award	Claire Logeman	Hive Hunters	Northern BC
BC Nature Award	Julia Hingley	Which Bird Feed?	Northern BC
BC Nature Award	Mackenzie Pottage	Fish Farming	Northern Vancouver Island
BC Nature Award	Heather Kornlyo	Population control?	Northern Vancouver Island
BC Nature Award	Iza Coupe	Garden in a Jar	Pacific Northwest
BC Nature Award	Lucia Gastiazoro & Sacha Fleury-Allen Haris Cheema	The Spread of the Invasive Yellow Floating Heart: The root of the problem	Pacific Northwest
BC Nature Award	Hasan Jaan	87 Dam... Those keystones don't shine. An Innovative Solution	South Fraser
BC Nature Award	Jai Bhatia	84 Lakebook: A Novel Application to Protect and Conserve Water Bodies With a Tap of a Finger	South Fraser



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Award Name	Awardee	Project Title	Region
BC Nature Award	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Vancouver Island
BC Nature Award	Luc Austin	Carbon Capture	West Kootenay
BC Nature Award	Jackson Phypers	Hydroponics vs. Window Gardening	West Kootenay
BC Nature Award	Roy Osborne	A Need for Speed	Yukon / Stikine

Award Name	Awardee	Project Title	Region
BC Science Teachers' Award	Eboni Samaha	Medicinal Benefits of Aboriginal Plants	Cariboo Mainline
BC Science Teachers' Award	Chloe Sherry	SOAR and the Mountain of Cookies	Central Interior
BC Science Teachers' Award	Thomas Anderson	A Comparison of Glucose Levels in Beverages	Central Okanagan
BC Science Teachers' Award	Olivia Sombrowski	Do Re Mi - Is This Song Happy?	East Kootenay
BC Science Teachers' Award	Gurnoor Litt	How does sugar affect your teeth?	Fraser Valley
BC Science Teachers' Award	Veronica Guo	A Novel Approach to Decomposing Polystyrene Enzyme Catalyzed Reactions: How concentration of the enzyme and concentration and temperature of the substrate affects enzyme activity?	Greater Vancouver
BC Science Teachers' Award	Maryam Khanum	Enzyme Catalyzed Reactions: How concentration of the enzyme and concentration and temperature of the substrate affects enzyme activity?	Northern BC
BC Science Teachers' Award	Marquizha Rabintias	What is the best spice neutralizer?	Northern Vancouver Island
BC Science Teachers' Award	Iza Coupe	Garden in a Jar	Pacific Northwest
BC Science Teachers' Award	Anjali Dass	326 The Effects of Alcohol on Cells	South Fraser
BC Science Teachers' Award	Liam Shah	Plant Based Milk Alternatives	Vancouver Island
BC Science Teachers' Award	Rayann Jarvis	The effects of temperature on a candle's burn rate	West Kootenay
BC Science Teachers' Award	Amelia Macht	Memory and Colour	Yukon / Stikine

Award Name	Awardee	Project Title	Region
Engineers & Geoscientists of BC	Adam Patton Ansh Vashisht	Shapes of the Future / Dealing with Diabetes creating an artificial pancreas	Cariboo Mainline
Engineers & Geoscientists of BC	Lily Davis	Collapsing Bridges	Central Interior
Engineers & Geoscientists of BC	Kristina Garagan	Frilled Explorer Drone Design and Concept	Central Okanagan
Engineers & Geoscientists of BC	Zxavian Davidson	Snap that Structure	East Kootenay
Engineers & Geoscientists of BC	Raiparta Curry	Smart Parking	Fraser Valley
Engineers & Geoscientists of BC	Carson Dalpke	Passive solar heating - Ancient civilizations used it, we can do it too!	Greater Vancouver
Engineers & Geoscientists of BC	Justin Du	Characteristics Generation of Canadian PV Arrays by Machine Learning	Greater Vancouver
Engineers & Geoscientists of BC	Wendy Fang	PollenGPS III: A Novel Airborne Pollen Monitoring System	Greater Vancouver
Engineers & Geoscientists of BC	Tyson Neufeld	Microbial Fuel Cell for Improved Contaminated Soil Cleanup and Bio-electricity generation	Northern BC
Engineers & Geoscientists of BC	Daniel Kornylo	Challenging Traditional Vivariums	Northern Vancouver Island
Engineers & Geoscientists of BC	Rowan Coupe	Better Winter Beehives	Pacific Northwest
Engineers & Geoscientists of BC	Timothy Cai	172 An Investigation into Active Control for Accessible Orbital Flight	South Fraser
Engineers & Geoscientists of BC	Mingyang Sun	Potential Causes and Effects of the Fluctuation of pH and ORP Values	Vancouver Island
Engineers & Geoscientists of BC	Hayden Persad	Development of a Pathogen Barrier Device	West Kootenay
Engineers & Geoscientists of BC	Luke Grantham	Ecstatic Electricity	Yukon / Stikine

Award Name	Awardee	Project Title	Region
Genome BC Award	Sophia Yang	A Novel Study on the Link Between Negative Thinking and TP53-Mutated Carcinogenesis	Greater Vancouver
Genome BC Award	Selena Du	DNA Preservation in Epoxy Resin	Greater Vancouver
Genome BC Award	Allie Elias-Bertrim	May the Force be with You	Northern BC
Genome BC Award	Jude Kress	Wind Energy	Northern BC
Genome BC Award	Heather Kornlyo	Population control?	Northern Vancouver Island
Genome BC Award	Mutation in Dogs	Cherish Pakkalen	Northern Vancouver Island
Genome BC Award	Rowan Coupe	Better Winter Beehives	Pacific Northwest
Genome BC Award	Anka Stefanovic	194 Measuring Transformation Efficiency in Escherichia coli (E. coli)	South Fraser
Genome BC Award	Jasmine Virk	46 Radon Estimation in Water	South Fraser
Genome BC Award	Adam Ireland	Impact of Salt on Blood Pressure	Yukon / Stikine
Genome BC Award	Keitha Kirkham	Keitha's Super Swag Experiment About Hands	Yukon / Stikine

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Award Name	Awardee	Project Title	Region
Genome BC Scholarship	Jodh Singh Nahal	Complete Remission of Chronic Diseases & Improvement in Risk Factors: 1-Year Experimental Case Study	Cariboo Mainline
Genome BC Scholarship	Braxton Chan	Long-Term results of a Novel surgical procedure for Osteochondral Defects	East Kootenay
Genome BC Scholarship	Catherine Diyakonov	Battling Oxidative Stress: The Effects of Nano-Antioxidants on Saccharomyces cerevisiae's Response to Oxidizing Agent Exposure	Greater Vancouver

Award Name	Awardee	Project Title	Region
Innovate BC Young Innovator Scholarship	Michaela Stillwell	Straws: Impact and Solution	Central Interior
Innovate BC Young Innovator Scholarship	Ariana Davidson Yuntong Li	Growing the Future of Plastic: Pleurotus ostreatus Mycelium A Biodegradable Alternative	East Kootenay
Innovate BC Young Innovator Scholarship	Rowan Ross	A Novel Approach to Bio-Friendly Microplastic Extraction with Ascidians	Greater Vancouver
Innovate BC Young Innovator Scholarship	Daniel Kornyllo	Challenging Traditional Vivariums	Northern Vancouver Island
Innovate BC Young Innovator Scholarship	Timothy Cai	172 An Investigation into Active Control for Accessible Orbital Flight	South Fraser
Innovate BC Young Innovator Scholarship	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Vancouver Island
Innovate BC Young Innovator Scholarship	Hayden Persad	Development of a Pathogen Barrier Device	West Kootenay

Award Name	Awardee	Project Title	Region
Michael Crooks Physics Prize	Adam Patton	The Shapes of the Future	Cariboo Mainline
Michael Crooks Physics Prize	Logan Mailloux		
Michael Crooks Physics Prize	Sebastian Wilson	Icy Hot Wire	Central Interior
Michael Crooks Physics Prize	Giann Hoonjan	Light Pollution in Kelowna	Central Okanagan
Michael Crooks Physics Prize	Keanu Chan	Novel Universal Design Internal Spine Concept (NuDISC)	East Kootenay
Michael Crooks Physics Prize	Taneesh Grewal	Copper Plated Coins	Fraser Valley
Michael Crooks Physics Prize	Shize Fan	1941 to 1961 CMBR Measurement	Greater Vancouver
Michael Crooks Physics Prize	Cody Batchelor		
Michael Crooks Physics Prize	Declan Bookham	Balls of Fire	Northern BC
Michael Crooks Physics Prize	Daniel Kornlyo	Challenging Traditional Vivariums	Northern Vancouver Island
Michael Crooks Physics Prize	Timothy Cai	172 An Investigation into Active Control for Accessible Orbital Flight	South Fraser
Michael Crooks Physics Prize	Nathan Hellner-Mestelman	Actually, it IS Rocket Science	Vancouver Island
Michael Crooks Physics Prize	Will Blackmore	Testing Bernoulli's Principle	West Kootenay
Michael Crooks Physics Prize	Isaac Powell	Aerodynamics	Yukon / Stikine

Award Name	Awardee	Project Title	Region
Sanofi Biogenius Award	Jodh Singh Nahal	Complete Remission of Chronic Diseases & Improvement in Risk Factors: 1-Year Experimental Case Study	Cariboo Mainline
Sanofi Biogenius Award	Eboni Samaha	Medicinal Benefits of Aboriginal Plants	Cariboo Mainline
Sanofi Biogenius Award	Maya Honda-Granirer	Coagulation of Polyethylene Terephthalate (PET) Microplastics: Which Coagulant Works Best?	Greater Vancouver
Sanofi Biogenius Award	Gabbie Lee	Tree Volt	Greater Vancouver
Sanofi Biogenius Award	Justin Du	Characteristics Generation of Canadian PV Arrays by Machine Learning	Greater Vancouver
Sanofi Biogenius Award	Heather Kornyllo	Population control?	Northern Vancouver Island
Sanofi Biogenius Award	Hassan Ahmad	317 Smart Sight...A Vision of Hope	South Fraser
Sanofi Biogenius Award	Caden Sato	36 Multiplayer LAN Games During A Global Pandemic	South Fraser
Sanofi Biogenius Award	Ishan Leung	79 Stuck In The Middle With You: Crossing The Midline	South Fraser
Sanofi Biogenius Award	Jai Bhatia	84 Lakebook: A Novel Application to Protect and Conserve Water Bodies With a Tap of a Finger	South Fraser
Sanofi Biogenius Award	Joven Gill	15 Earth-Friendly Mask	South Fraser
Sanofi Biogenius Award	Taya Lee	Recycling Oil from Contaminated Water using Azolla filiculoides to Create a Biodiesel Blend	Vancouver Island
Sanofi Biogenius Award	Margaret Krawciw	Meddling Microplastics: A Study of the Interactions Between Microalgae and Microplastics	Vancouver Island
Sanofi Biogenius Award	Charlotte Quin	Growth and Feed Consumption of Chicks Supplemented with Sunflower Sprouts and Brewers Spent Grain	Vancouver Island
Sanofi Biogenius Award	Hayden Persad	Development of a Pathogen Barrier Device	West Kootenay



Award Name	Awardee	Project Title	Region
SCWIST Award	Eboni Samaha	Medicinal Benefits of Aboriginal Plants	Cariboo Mainline
SCWIST Award	Jemma Blattner	Round Up Those Worms	Central Interior
SCWIST Award	Kristina Garagan	Frilled Explorer Drone Design and Concept	Central Okanagan
SCWIST Award	Clodagh Dressler	The Effects of Frequent Reading During Childhood on Academics During Adulthood	East Kootenay
SCWIST Award	Vaneet Sandhu	Remote Controlled Wired Robot	Fraser Valley
SCWIST Award	Amanda Yang	How Much Does the Student Population of a School Affect the Spread of COVID-19 Within That School	Greater Vancouver
SCWIST Award	Swas Ghosh	What Pretty garments can be seen the best by dangerous drivers	Northern BC
SCWIST Award	Heather Kornlyo Lucia Gastiazoro	Population control?	Northern Vancouver Island
SCWIST Award	Sacha Fleury-Allen	The Spread of the Invasive Yellow Floating Heart: The root of the problem	Pacific Northwest
SCWIST Award	Aqsa Agro	114 Anti-fog Glasses Clip	South Fraser
SCWIST Award	Alexis Kuo	Exploring an Affordable and Sustainable Approach to Enhance the Effectiveness of Non-medical Masks	Vancouver Island
SCWIST Award	Kaylan Monteith	Water Electrolyzer	West Kootenay
SCWIST Award	Amelia Macht	Memory and Colour	Yukon / Stikine

Award Name	Awardee	Project Title	Region
W.E. Coates Award	Jemma Blattner	Round Up Those Worms Growing the Future of Plastic: Pleurotus ostreatus Mycelium A Biodegradable	Central Interior
W.E. Coates Award	Ariana Davidson	Alyernative	East Kootenay
W.E. Coates Award	Mylo Raffaele-Hamar	Thirsty For a Solution Microbial Fuel Cell for Improved Contaminated Soil Cleanup and Bio- electricity generation	Greater Vancouver
W.E. Coates Award	Tyson Neufeld		Northern BC
W.E. Coates Award	Patrick Cioata	236 A Solution to the World's Plastic Problem Growth and Feed Consumption of Chicks Supplemented with Sunflower	South Fraser
W.E. Coates Award	Charlotte Quin	Sprouts and Brewers Spent Grain	Vancouver Island
W.E. Coates Award	Liam Wood	The Puurfect Cat Litter	Yukon / Stikine

Award Name	Awardee	Project Title	Region
Women in Engineering and Geoscience Award	Lee Yale & Natalie Wiebe	Vegetable and Fruit Electricity	Cariboo Mainline
Women in Engineering and Geoscience Award	Lily Davis	Collapsing Bridges	Central Interior
Women in Engineering and Geoscience Award	Giann Hoonjan	Light Pollution in Kelowna	Central Okanagan
Women in Engineering and Geoscience Award	Frankie La Peter	Germs Make Me Sick	East Kootenay
Women in Engineering and Geoscience Award	Vaneet Sandhu	Remote Controlled Wired Robot	Fraser Valley
Women in Engineering and Geoscience Award	Tara Zhan	MotionDx: Creating an Effective and Affordable Smart Pill Bottle	Greater Vancouver
Women in Engineering and Geoscience Award	Heather Kornlyo	Population control?	Northern Vancouver Island
Women in Engineering and Geoscience Award	Heidi Burgert	19 Drought Machine	South Fraser
Women in Engineering and Geoscience Award	Jessica Liao	Piezoelectric Floor Tiles	Vancouver Island
Women in Engineering and Geoscience Award	Catherine Austin Zayda Bilton	Water Treatment	West Kootenay
Women in Engineering and Geoscience Award	Stephanie Nemeth	Bright Idea	Yukon / Stikine