

# CWSF 2016 - Montreal, Quebec



## Daniel O'Reilly

### Leeches Unleashed

**Challenge:** Resources

**Category:** Senior

**Region:** Central Interior British Columbia

**City:** Prince George, BC

**School:** College Heights Secondary

**Abstract:** Using a combination of methods, creativity, and a thorough statistical analysis, I was able to develop a novel approach that utilizes natural resources to remove and repel leeches adhered to human skin; thus reducing the opportunity for infection. The potential to improve the quality of life, provide social and economic benefits, support sustainability for the forest industry, and remain environmentally responsible, is encouraging.

### Biography

My name is Daniel O'Reilly, I am a grade 11, Principal's list student. This will be my fifth time attending CWSF. At the Regional CISE my project won a gold medal, Best in Biotechnology and Pharmaceutical Sciences, BC Nature Award, UNBC Mathematical Award, Best in Exhibition Award and the BCIC Innovator Scholarship. At school I actively participate in Leadership, serve as the Vice President of Rotary Interact, Vice President of the District Advisory Council, volunteer at a Seniors Nursing Home and the hospital. I love music and play the acoustic and electric guitar, bass and piano. Most recently I was named the 2016 Youth of the Year and in January I was chosen to represent Canada in Taiwan at the International Science Fair with my 2015 CWSF project. My project was awarded a bronze medal. I also enjoy travelling and hope to see the world one day. This project was inspired by my own curiosity. The best advice I can give to students that are thinking about doing a project is, "Just Do It" and the results could amaze you! My career goal is to continue with sciences.

### Awards

### Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	
Challenge Award - Resources - Senior Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$8 500</b>