

CWSF 2012 - Charlottetown, Prince Edward Island



Moriah Harvey

CH₃CH₂OH-white latex paint as an antifouling agent

Challenge: Environment

Category: Senior

Region: Northwestern Ontario

City: Nipigon, ON

School: Sir Winston Churchill C.V.I.

Abstract: A natural anti-fouling paint that is more effective than chemical anti-fouling paints currently on the market has been successfully created using ethanol and white latex paint. This natural anti-fouling paint is effective under short periods of time as well as prolonged periods of time (up to 4 months has been tested) in fresh water.

Biography

I have participated in three science fairs in elementary school; however my first science fair in secondary school took place in April of 2011. In Elementary school I always made it to the regional competition for the Superior North Shore Catholic School Board. I am currently in the IB program and attend Sir Winston Churchill CVI in Thunder Bay. Some of my passions (other than science) include singing; playing the flute; public speaking; canoeing; sailing; and other outdoor activities. As a singer I have competed and won many competitions; such as the Northwestern Ontario Jr. Youth Talent Search. Through singing I have also been given the opportunity of singing O' Canada for Prime Minister Stephen Harper twice. I was also chosen to attend the 2010 People To People Leadership Summit in L.A: which was a fantastic experience. Though I have many different hobbies and activities I definitely do enjoy Science, specifically biology and chemistry. I find it so fascinating how often science can be used to help people. Currently my future plan is to become a pediatric oncologist because I would be able to use two of my passions at once: science and helping people.

Awards

Value

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| Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada | \$700 |
| 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 |
| Total | \$9 200 |