

CWSF 2011 - Toronto, Ontario



Sarah Maccallum

Bigger Faster Stronger Sooner

Challenge: Resources

Category: Senior

Region: Chignecto East

City: Pictou, NS

School: Pictou Academy-Dr. T. McCulloch School

Abstract: This experiment examined stage IV lobster larvae to discover if the addition of creatine monohydrate to the larval diet would result in a greater than average increase in both body length and width after moulting. The experiment concluded with creatine trending that it will significantly increase both the larvae's moulting size and the rate at which the larvae moulted.

Biography

As the top academic student in my grade for the past five years and a member of the 90s club since high school I am very involved in my school both academically and through extracurricular activities. I am the yearbook junior editor, co-chair of the global issues committee, vice co-chair of the youth health committee as well as being on five other committees within the school. Apart from school committees I am also on the school's basketball team as well as being a captain of a team in my district's spring basketball league. Within the community I am a board member of the Hector Heritage Foundation, a Sunday school teacher and have volunteered at the Northumberland Fisheries Museum and Hatchery. My post secondary plans are to earn a biology degree then obtain a degree in medicine specializing in research haematology.

Awards

Value

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
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Total	\$9 200