



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	\$700
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Total	\$9 200



