CWSF 2008 - Ottawa, Ontario

Abigail McLagan

The Ants Go Marching...

Division: Earth & Environmental Sciences / Environmental Innovation
Category: Junior
Region: Rideau-St. Lawrence
City: Smiths Falls, ON
School: Duncan J. Schoular P.S.

Abstract: The purpose of this project is to recreate a carpenter ant colony using the Java computer programming language. The program follows the life cycle and activities of each member of the colony. Different scenarios occur which alter the progress the colony makes as it expands or dies. The program provides continually updated information and statistics about the ant colony.

Biography
I am twelve years old, enrolled in a grade eight French immersion program in Duncan J. Schoular, Smiths Falls Ontario. I enjoy math, science, and computers. I have participated in numerous learning activities like Space Camp, SEEDS at Queen University and the Royal Astronomical Society of Canada monthly meetings (where I have also been a presenter). This year, I won several awards at our local science fair, participated as a finalist in the Canadian Legion Public Speaking Contest, and won first place from the Ontario Society of Engineers for building a model bridge. I also enjoy a lot of non-academic activities such as Girl Guides, soccer, bowling, summer camp, hiking, swimming, and canoeing. My hobbies include coin collecting, building airplane models, and working on my website. I enjoy spending time learning about astronomy by using my telescope to study the night sky. I also have two paid summer jobs - I pick blueberries on a local farm and work as a soccer referee. I am looking forward to going to university and becoming an attorney either here in Canada or in the United States since I am a dual citizen. I truly enjoy learning new things!

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Silver Medal - Computing & Information Technology - Junior Sponsor: Intel of Canada, Ltd.	$700
Total	$2 200