

# CWSF 2009 - Winnipeg, Manitoba



## Abigail McLagan

### Artificial WHAT?!

**Division:** Earth & Environmental Sciences / None

**Category:** Intermediate

**Region:** Rideau-St. Lawrence

**City:** Smiths Falls, ON

**School:** Smiths Falls District Collegiate Institute

**Abstract:** The project is a computerized simulation of the relationship between a parent and its baby. Based on interviews and research, I have created an object oriented program using Java which simulates several aspects of a baby's early physical and emotional environment as a first step to creating a complete model of the infant/parent interaction.

### Biography

I am thirteen years old, enrolled in grade 9 at SFDCI, Smiths Falls Ontario. I enjoy math, science, and computers. I have participated in numerous learning activities like Space Camp, SEEDS at Queens University and the Royal Astronomical Society of Canada monthly meetings (where I have also been a presenter). I am also part of the local air cadet squadron and I am hoping to receive my power flight licence. This year, I won several awards at our local science fair including best of fair and participated as a finalist in the Canadian Legion Public Speaking Contest. 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

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|---|---------|
| The University of Western Ontario Scholarship<br>Silver Medallist - \$1500 Entrance Scholarship<br>Sponsor: University of Western Ontario | \$1 500 |
| Silver Medal - Computing & Information Technology - Intermediate<br>Sponsor: Intel of Canada, Ltd.  | \$700   |
| Total   | \$2 200 |