

# CWSF 2011 - Toronto, Ontario



## Madeline Stever

### Sunscreen: The Good, The Bad And The Metallic Taste in My Mouth - Part 2

**Challenge:** Health

**Category:** Intermediate

**Region:** Peterborough

**City:** Peterborough, ON

**School:** James Strath P.S.

**Abstract:** Sunscreen samples were analysed using a lead test kit and ICP-MS (Inductively coupled plasma-mass spectrometry). Seventy-five percent of sunscreen brands tested contained lead with concentrations ranging from 0.44 to 6.38 micrograms of lead per gram of sunscreen. The increasing cancer rates in young adults and the increase in learning difficulties in children may be due to the frequent use of sunscreens that contain lead.

#### Biography

My name is Madeline Stever. I'm a grade 8 student attending James Strath Public School in Peterborough, Ontario. My strongest subjects in school are science (go figure), language, math, and music. Some day I hope to go to university on a scholarship and study in the field of medicine. I would really like to make a positive difference in the lives of others. Outside of my hectic school life where I am involved in every school club and team, I have many different interests. I am a competitive swimmer on the Port Hope Swim Team, and I am a senpei at my karate dojo. I am working on earning my brown belt in karate. This spring I am taking my Royal Conservatory of Music grade 6 piano examination. I also love to read and spend time outside when I have free time. I always try my best in everything that I do. I like to work hard and I am very dedicated in trying to achieve my goals. I have a great deal of support from my family, teachers and coaches. I am extremely fortunate to have many opportunities to challenge myself and to grow as a person.

#### Awards

#### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$700
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
<b>Total</b>	<b>\$2 700</b>