

## CWSF 2014 - Windsor, Ontario



### Marina Leblanc

#### Cold Feet?

**Challenge:** Discovery

**Category:** Junior

**Region:** Sudbury

**City:** Naughton, ON

**School:** St. James Catholic Elementary School

**Abstract:** Have you ever had cold feet? I investigated which socks were the warmest by inserting a thermometer probe into a potato, heating it to body temperature, putting it into either a dry or wet sock then placing it into the freezer. I recorded the temperature drops to discover which type of sock was the best.

#### Biography

My name is Marina, I'm in grade 8 and this is my first CWSF. It is also my first science fair project. My inspiration for "Cold Feet?" came from my weekly job of mucking out stalls at a barn. It was minus thirty, there was a hole in my boot and my sock got soaked with mud (let's just say it was mud!). You rely on your socks to save you but mine failed miserably at keeping my feet warm. People suggested fur socks, Alpaca socks, nylons (a football coach suggested his players wear them to stay warm) and one parishioner told me that her great-grandfather swore by his pure-wool underwear and that the day he didn't wear them, he got pneumonia and died! I want to be part of the Ontario Provincial Police force someday so warm socks will be a critical part of my uniform as I don't want cold feet affecting my performance. I am committed to my studies, I recently won a public-speaking competition, I read voraciously, I participate in any sport offered at school, I like the outdoors and my most memorable moment to date has been riding bareback on a Clydesdale.

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100