

# CWSF 2011 - Toronto, Ontario



## Hanna Marie Longard

### Aromatherapy: Think Fast !

**Challenge:** Discovery

**Category:** Intermediate

**Region:** South Shore

**City:** Mahone Bay, NS

**School:** Bayview Community School

**Abstract:** This project studied if grapefruit aromatherapy can improve human reaction time. Both a control group and a group exposed to aromatherapy were tested. Through a Chi Square statistical analysis it was proven that grapefruit aromatherapy improves human reaction time. This stimulation of the limbic system through aromatherapy could benefit society and workplaces where employees are required to stay alert and respond quickly.

### Biography

This is my second year attending CWSF and I'm very excited to be back. I really like math, and science. Behavioural Studies and psychology are of interest to me. In my spare time I often read and occasionally write. I enjoy sports, especially cross country skiing. I also run, hike, bike, downhill ski, play basketball, soccer, volleyball, and badminton. This year I'll be in my school drama production for the third year in a row. I love to act! I am part of my school's successful social justice committee and I volunteer in my community often. I enjoy being with all my fun and silly friends.

### Awards

### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
<b>Total</b>	<b>\$1 300</b>