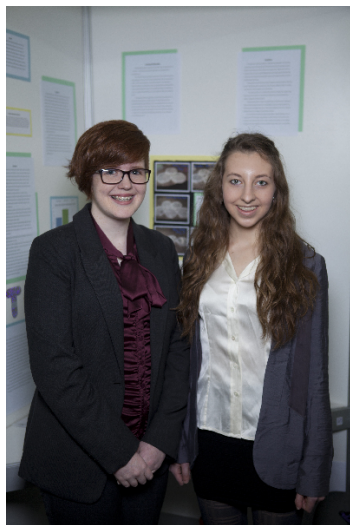


# CWSF 2013 - Lethbridge, Alberta



## Natasha Poley, Adriana Bell

### Bacteria Hysteria

**Challenge:** Health

**Category:** Intermediate

**Region:** Toronto

**City:** Toronto, ON

**School:** Linden School, The

**Abstract:** Our project explores how different types of shoes effect bacterial growth. Testing used shoes and new shoes, we are able to compare and analyze which type of shoe allows bacteria to prosper. In our results we found that it was not the type of shoe, but rather how often and how long the shoe is worn.

### Biographies

Natasha - My science fair partner and I enjoy buying environmentally friendly clothes at second hand stores. Investing in used clothing cuts down on manufacturing demands, keeping materials that cannot decompose out of the landfill. We both dislike how many big brand labels use sweatshops, and would rather buy recycled clothes than show companies that we accept their use of low paid labour. Thinking about purchasing shoes from a second-hand store prompted us to research bacteria. I then became fascinated the idea that some bacteria can protects you while others seek cause illnesses, leading us to come up with our question relating to what kinds of shoe...

Adriana - My name is Adriana and I am a grade 10 student. I have a passion for social justice and science! Science fair offered me a wonderful opportunity to bring these two aspects of my life together. When discussing ideas with my partner Natasha we talked about doing a project that could actually impact people and have a real life application. From this point we developed the idea of exploring what type of shoe grows the most bacteria. If we could figure this out then we could know what type of shoe we should buy if we are buying second hand. We have some ideas for further exploration including testing what type of anti bacterial spray or powder wor...

### Awards

### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>