

# CWSF 2017 - Regina, Saskatchewan



## Katarina Vuorensivu, Jesse Pound

### The Technosleeve

**Challenge:** Innovation

**Category:** Junior

**Region:** South Fraser

**City:** Surrey, BC, Surrey, BC

**School:** Surrey Academy of Innovative Learning

**Abstract:** For our project we invented the Technosleeve; a reusable coffee cup sleeve that detects the temperature of hot beverages and then plays a song and/or lights up once they are safe to drink (without burning your tongue). It is the first of its kind, and has the potential to prevent burn injuries, help the environment, and save consumers money!

### Biographies

Katarina - My partner and I were learning Arduino at school when we began hearing of the upcoming school science fair. We were instructed to make a wearable etc. using coding in Makerspace, and design a project in science. We decided to kill two birds with one stone by making the Technosleeve. We have already been working on improvements and adjustments to not only the code but the design as well, with the eventual goal of marketability. To any other students thinking of doing a project I would say absolutely go for it. My partner and I never anticipated our project making it to Canada-wide, but even going to the different fairs and seeing the different...

Jesse - My name is Jesse Pound, and I'm in grade 8/9 at SAIL academy. At SAIL, I'm completing high school at an accelerated pace, meaning I'm completing grades 8 and 9 in a single year. Next year will be grades 10 and 11, and the year after will be grade 12. After I graduate high school I'd love to attend MIT and become an astrophysicist or aerospace engineer, because I love studying space and creating things! Outside of school, I play soccer and volunteer at the YMCA. I also like reading, writing, and filming. For science fair, my partner and I invented the Technosleeve; a reusable coffee cup sleeve that detects the temperature of your hot b...

### Awards

### Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 000

