

# CWSF 2016 - Montreal, Quebec



## Sarah Simionescu, Juvea Mastromatteo

### The Audio Maze

**Challenge:** Innovation

**Category:** Junior

**Region:** Niagara

**City:** Niagara on the lake, ON, St.Davids, ON

**School:** St. Michael Catholic E.S.

**Abstract:** Our project focused on designing an audio game for people with visual impairments, owing to the lack of commercially available games for such populations. Three separate sections of the game were programmed, and each analyzed for their respective levels of difficulty. Stress levels in the participants were also analyzed and evaluated.

### Biographies

Sarah - I go to St.Michael Catholic school in Niagara on the Lake. I started programming about two years ago. I love video editing and have been doing it since Gr.4. I'm interested in stop motion, green screen effects and directing. In fact i'm currently directing "The Outsiders" with my Gr.7 class. I'm currently in Gr.7 RCM piano and a playing in a soccer travel team. I love participating in Lego Robotics camps and clubs. I love watching Doctor Who and Fairytale. We got the inspiration for our project from Julia one of our very good friends who is visually impaired. We got to learn what she liked to do for fun and how she played games. We would like...

Juvea - I play travel soccer for Niagara United. I love Kpop, and the Korean culture. I also enjoy watching anime, which is Japanese cartoons. I am also learning the Korean language. The inspiration for our project was that we found an audio game on the App Store and decided that we should also create an audio game. My good friend Julia, who is also visually impaired, loves video games but she cannot play them, so once we brought her ours she was very excited. In the future, we plan to create a multiplayer audio game and possibly create an app based off of our game. For all the students thinking to do a project, I would say that every student should ...

### 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