

# CWSF 2017 - Regina, Saskatchewan



## Julie Taylor, Olivia Calbeck

### One Step at a Time

**Challenge:** Innovation

**Category:** Junior

**Region:** Bay Area

**City:** Burlington, ON, Brantford, ON

**School:** Hillfield Strathallan College

**Abstract:** The purpose of the innovation is to describe the impact of an app designed to reduce participants' carbon footprint (CF) using the principle of crowdsourcing. Forty-one students calculated their personal CF score and downloaded the app. Participants were followed for one week using the app and recalculated their CF. The control group reduced their CF by 0.5 tonnes more than the experimental group, rejecting the hypothesis ( $p < 0.05$ ).

### Biographies

Julie - I'm a grade 8 student at HSC. I'm a committee leader, elected by my peers. I've competed in gymnastics for seven years. I now curl. I play the alto and baritone saxophones. I'm in the jazz/concert band and have accomplished leadership awards for both. I've achieved honours throughout my middle school years. This year, I participated in the French exchange. I chose to do my project on trying to reduce middle school student carbon footprints, I created an app with the principle of crowdsourcing, for the grade 7 classes to use as they were learning about carbon footprints this year, in the hopes to enhance and make a difference in the ...

Olivia - My name is Olivia Calbeck and I am a Grade 8 student attending Hillfield Strathallan College in Hamilton Ontario. I enjoy the arts, I play piano through the Royal Conservatory Music program and flute, participate in our school drama production, and play basketball and track and field. I am a member of our student council executive and a house captain. In my free time, I enjoy horseback riding and spending time with family and friends. I have been awarded an academic scholarship and two proficiency awards for highest academic average. I have also completed grade 8 piano theory receiving honours with distinction. My grade 7 teacher inspired me ...

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000