

# CWSF 2015 - Fredericton, New Brunswick



## Avi Sahota, Jasmeen Mander

### Is PET the right BET?

**Challenge:** Resources

**Category:** Junior

**Region:** Peel

**City:** Brampton , ON, BRAMPTON, ON

**School:** Tomken Road Senior P.S.

**Abstract:** One of the most important resources we need to survive is water and people living in many countries are desperately in need. We decided to test if contaminated water can be purified in sunlight or shade using PET bottles. By using PET bottles, clean water will be available to most due to UV-A rays from the sun creating an inexpensive process to purify water.

#### Biographies

Avi - I am Avi Sahota, a grade 8 student from Tomken Road Middle School, currently in the Sci-Tech program. I am a determined and devoted student who is always involved with activities. I love volunteering as I always try helping others in as many ways as I possibly can and I have a passion for figure skating. My inspiration for my project came from when I wondered how difficult it must be for people who cannot even meet their living standards and do not even have the basic necessities to live and immediately I thought about clean water. I wanted to develop an easy and inexpensive way so that clean water will be available. For further investigation...

Jasmeen - I am Jasmeen Mander and am currently in grade 8 attending the school Tomken Road Middle School for the SciTech program. My partner and I got the inspiration of our project by wanting to help others who are desperately need of resources we do not have to struggle for. The main resource that is necessary for survival is water and many people especially in third world countries have limited access. So we decided to purify water in such a way in which it is inexpensive and easily purified so it can be available to all. For further improvements and investigations, we would like to increase the size of PET containers so more water is purified in le...

#### 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