

# CWSF 2012 - Charlottetown, Prince Edward Island



## Aisha Lillywhite

### Bacterial Presence and Contamination of Washed Hands After Using Air Hand Dryers

**Challenge:** Health

**Category:** Intermediate

**Region:** Chinook Country

**City:** Okotoks, AB

**School:** Red Deer Lake School

**Abstract:** The purpose of this project was to find an effective way to reduce the risk of contaminating washed hands when air hand dryers are used. The hand dryers were swabbed before and after disinfecting and after applying an antimicrobial coating. Bacterial counts were obtained and the strains of bacteria were identified. Results confirmed the absence of human pathogenic bacteria in the coated air hand dryer.

#### Biography

My name is Aisha Lillywhite. I was born, and reside in the Calgary area. I am in the ninth grade at Red Deer Lake School, Alberta and I have achieved Honours with Distinction and Most Outstanding Student Award along with the Science Award in 2010 and 2011. My favorite subjects are Science and Mathematics. I have been a part of the RDL Building Hope Project since 2010. We have recently built a school in Ewaso Ngiro Kenyan, Africa and are raising funds to build a primary school as well. On day, I hope to go to Africa to see the progress that has been made. Outside of school, I spend most of my time dancing. I take formal Ballet, Pointe, Contemporary/Modern and Jazz classes. I have completed my Intermediate Vocational ISTD Examination. Currently I volunteer as an assistant teacher. I also perform with a pre-professional dance company, Corps Bara Dance Theatre. Some performances include TTYL, A Time For Everything, and performances for local charities, schools and churches. I have had the privilege of dancing with the University of Calgary in a professional performance of Alice in Wonderland. My post secondary career plans are to attend university to become an Optometrist.

#### Awards

#### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 700