

CWSF 2013 - Lethbridge, Alberta



Kevala Van Volkenburg

An Analysis of Bacteria on Drinking Fountains

Challenge: Health

Category: Intermediate

Region: Northern British Columbia

City: Fort St. John, BC

School: Bert Bowes Jr Secondary

Abstract: How many and what kind of bacteria colonies are on a drinking water fountain? Is there something we can do to protect ourselves from bacteria on fountains? I discovered on average there are 60 colonies per 3cm². To protect yourself, don't touch the bowl. Avoid fountains with low water pressure. Wash your hands after touching the handle. Avoid fountains close to trashcans, washrooms, etc.

Biography

My name is Kevala. I love science! Science is my favorite class in school. I have been studying exercise for several years, first the effects on the body and now on the mind. After reading SPARK I became interested in how exercise effects the brain. The brain is extremely complex and the more I learn the more I want to know! I am also interested in the ocean, there are so many unknowns and so many things to learn. I have been to the Vancouver Aquarium which I think is an amazing program. Science fair has always been a big part in my life and I enjoy doing it.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100