

CWSF 2016 - Montreal, Quebec



Katelyn Anthony

Tiny Titans: Silver Nanoparticles

Challenge: Health

Category: Intermediate

Region: Annapolis Valley

City: Newport, NS

School: West Hants Middle School

Abstract: To determine if Silver Nanoparticles could effectively kill bacteria better than everyday household cleaners. Bacteria was grown from a kitchen sink handle and school i-pads, the cleaners were then sprayed onto the bacteria plates and left for seven days. The bacteria colonies were then counted, comparing before the cleaner was added to after.

Biography

My name is Katelyn Anthony. I am 14 years old and I live in Newport, Nova Scotia. I play piano, I play on a volleyball team and I also partake in 4H. I have one dog named Ginny and 8 chickens. I also have two brothers named Morgan and Ryan. I have won two volunteering awards and the Acadia University School of Nutrition and Dietetics award at the AVRSB regional science fair as well as a gold medallion. I was inspired to do this project when I saw products advertising a new antibacterial substance called "Silver Nanoparticles" added to their products. In the future, I would like to see how silver nanoparticles affect diseases and viruses. If I have any advice for other students looking to do a project, its to be dedicated, interested and to also have fun while your doing it!

Awards

Value

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