



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.

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



