

# 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

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