

CWSF 2011 - Toronto, Ontario



Megan Macdonald

Natural Antibiotics: Do They Really Work?

Challenge: Health

Category: Junior

Region: Greater Vancouver

City: Coquitlam, BC

School: Summit Middle School

Abstract: My project is experimenting whether or not materials considered natural antibiotics can inhibit the growth of bacteria. I am testing 6 different natural antibiotics, garlic, honey, ginger, lime, oil of oregano, and colloidal silver. For each natural antibiotic I chose I used a 100% concentration and a 50% dilution, against 4 types of bacteria, Staphylococcus Aureus, Staphylococcus Epidermidis, Enterococcus Faecalis, and E Coli.

Biography

My name is Megan Macdonald, and I am currently a Grade 7 student at Summit Middle School in Coquitlam. I compete in many school activities, such as cross country running, track and field, volleyball, and feild hockey. Outside of school I play soccer, dance, and take guitar, piano, and piano theory lessons. I have a twin brother and a 2 year old black labrador retriever named Ceilidh (this is the scottish spelling, it's really pernonounced Kaley). This is my first time competing in a regional/national science fair.

Awards

Value

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| Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada | \$300 |
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Total | \$1 300 |