

## CWSF 2016 - Montreal, Quebec



### Anthony Meyer, Rachel Manzon

#### Fighting Antibiotic Resistance Naturally

**Challenge:** Health

**Category:** Junior

**Region:** Regina

**City:** Regina, SK

**School:** St. Matthew

**Abstract:** We tested the antimicrobial abilities of natural products (essential oil of turmeric, essential oil of basil, and Manuka honey) against bacteria (*E. coli* and *S. epidermidis*) in the presence and absence of antibiotics (ampicillin and streptomycin). We found that oil of basil was able to increase the efficiency of antibiotics in preventing bacterial growth in a synergistic manner.

#### Biographies

Anthony - Hi! My name is Anthony Meyer. During the day I am a Grade 8 student at St. Matthew school in Regina. (Go Saints!) Outside class I keep busy competing in baseball, soccer, and badminton as well as playing saxophone in the school band. I have two younger brothers, and our favorite days are summer holidays at the lake or those spent exploring the field across the street from our house. In the future I would like to pursue studies in the health field or wildlife biology. I am inspired by the critical role science is going to play in our future. The urgent need to address antibiotic resistance in particular was the inspiration for our project, whi...

Rachel - Hi, my name is Rachel Manzon and I am in Grade 7 at St. Matthew school. I am a competitive swimmer and love to be in the water. I also enjoy playing the flute, writing, and reading. Some of my accomplishments include a gold medal from my flute exam and a scholarship for Canadian woodwinds. Science fair is definitely my favourite project of the school year, as I love to be able to investigate my own questions and learn more about a topic that interests me. This year I teamed up with my friend Anthony and we came up with the project Fighting Antibiotic Resistance Naturally. This project focuses on the growing problem of antibiotic resistance an...

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