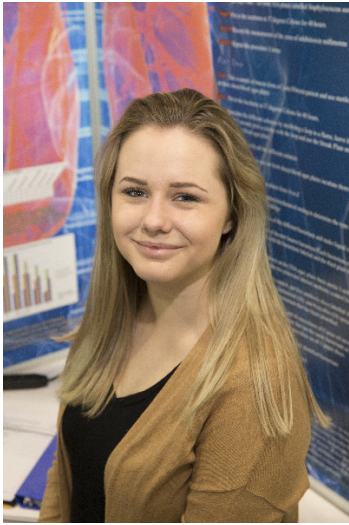


## CWSF 2019 - Fredericton, New Brunswick



### Abigail Stanton

#### The Effects of Cassia Oil on Bacteria Found in Lungs of Cystic Fibrosis Patients

**Challenge:** Health

**Category:** Intermediate

**Region:** Tri-County

**City:** Barton, NS

**School:** Digby Regional High School

**Abstract:** Cystic Fibrosis patients face many medical complications from the day they are born. Antibiotic resistant bacteria found in the lungs of Cystic Fibrosis patients can lead to a medical crisis. Cassia oil can act better than an antibiotic to even bacteria that is resistant to a broad spectrum of antibiotics without the side effects. Can Cassia Oil be used to save lives?

#### Biography

Abigail Stanton is a grade 9 student from Digby Regional High School in Digby, NS. She is an active volleyball, basketball, cross country, and track and field athlete; plays piano; loves being outside working; is passionate about helping others; and is committed to her education. Abby was inspired to investigate if Essential Oils actually inhibit bacteria growth after critically examining advertised claims of their effectiveness. After discovery of the most effective Essential Oil in her study, she would like to further test its potential to stop specific bacteria strains from growing. Abigail encourages others to study and experiment with topics of great interest to them and to ensure they have done a lot of research on the topic so that you can be as precise as possible. Abby Stanton is excited to start high school and is interested in perusing science as a career, perhaps in the medical field where she can find a balance between working with, and helping people, and continuing to explore the scientific method through experimentation.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040