

## CWSF 2017 - Regina, Saskatchewan



### Gavin Howells, Ian Paton

#### In a House Not So Far Away... Bacteria Were Growing

**Challenge:** Health

**Category:** Junior

**Region:** Yukon/Stikine

**City:** Whitehorse, YT

**School:** Holy Family Elementary

**Abstract:** The purpose of our experiment was to find out which part of the house had the most bacteria. We tested four areas with anticipated high bacterial counts. Results showed that the bathroom sink had the most bacterial colonies, followed by the kitchen sink. We interviewed experts in the microbiology and medical fields to learn more about household bacteria and their effects on a person's microbiome.

#### Biographies

Gavin - My name is Gavin Howells. I am a 13 year-old Yukoner who loves soccer, basketball, golf and tennis. I enjoy hiking and biking with my family and friends and love travelling. I have visited Italy, England, New Zealand, Malta and Spain. I also play the piano, drums and trumpet. I attend grade 7 at Holy Family Elementary School in Whitehorse. This year, my partner Ian and I entered our first science fair. I someday want to study medicine or microbiology so I was inspired to create an experiment involving bacteria. My partner and I investigated which area of my house had the most bacteria, which is important because both too much and too little b...

Ian - My name is Ian Paton and I am twelve years old. I live in Whitehorse, Yukon and attend Holy Family Elementary. My favorite sport is soccer, which I have been playing since the age of four. I enjoy other activities such as disc golf, camping, volleyball, basketball, and playing Dungeons and Dragons with my family. This science fair is my first one and I am very happy to be attending this years CWSF. My partner Gavin was my inspiration for this project, he got me in to bacteria. It was an interesting and fun experience to grow and learn more about bacteria. In the future maybe my partner and I will attempt a more complex project. If you plan on...

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