

## CWSF 2014 - Windsor, Ontario



### Julian Stokes

#### Technological innovation means more radiation

**Challenge:** Health

**Category:** Intermediate

**Region:** Pacific Northwest

**City:** New Hazelton, BC

**School:** Hazelton Secondary

**Abstract:** For this study, I measured the electromagnetic fields emitted by 30 common household items. I recorded the individual electric and magnetic fields, and the radio/micro wave frequency radiation at one inch intervals up to twelve inches, then at two and three feet. All the devices I tested emitted at least some radiation, with a microwave and a fluorescent light bulb being two of the strongest.

#### Biography

My name is Julian E. Stokes. I am fifteen years old, and I live in New Hazelton, B.C. For medical reasons, I was home schooled for four years, from grade 3 to grade 7. Science and math have always been my best subjects. I am now in grade 9, and I am part of the yearbook club, the school spirit club, and the drama club. Next to science, drama is my greatest interest in school, and my group recently came second in our regional competition. At home, my favorite hobbies are playing video games, reading books, watching anime, and going for runs with my dog. I enjoy hanging out with my friends, and I like to do work for people in the community. This was my first time entering the regional science fair, and I'm looking forward to the Canada-wide competition. It will be my first time leaving the province, so I'm really excited.

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