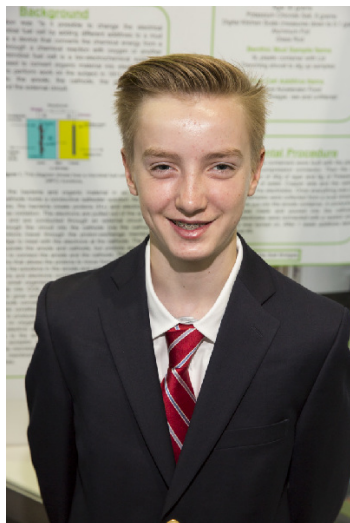


# CWSF 2015 - Fredericton, New Brunswick



## Ben Chisholm

### One Man's Waste is another Man's Power

**Challenge:** Energy

**Category:** Junior

**Region:** Fraser Valley

**City:** Maple Ridge, BC

**School:** Thomas Haney Centre

**Abstract:** A microbial fuel cell is a bio-electrochemical system in which bacteria are used to convert organic material into electricity. I started researching this particular fuel cell and I began asking questions, the question that inspired me to do this project was "Can you change the voltage production of a microbial fuel cell". So I designed an experiment and I tested this question.

#### Biography

I was born in 2001, in Cornwall, England. I moved to Canada in January 2013. As soon as I came to Canada I wanted to participate in a science fair. I was inspired to enter because I am really interested in producing clean renewable energy. I entered my regional science fair and won both the prizes I was nominated for. This inspired me to enter again, this time I was eligible to go to The Canada-Wide Science Fair. Once again I won one of my special awards I was nominated for, and I won a spot to go to the CWSF. I entered again this year (2015) and I won a spot to go to CWSF again. I am really excited to be going and can't wait for this incredible experience. Some advice I would give to other students would be, pick something you are interested and passionate about so you will enjoy the whole process of doing a science fair project.

#### Awards

#### Value

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