

# CWSF 2018 - Ottawa, Ontario



## Ella Pilot

### A Study of the Prevalence of Gram-Negative Bacteria in School Soil

**Challenge:** Health

**Category:** Junior

**Region:** Northwestern Ontario

**City:** Thunder Bay, ON

**School:** Woodcrest P.S.

**Abstract:** for the past 5 years our school community has noticed a foul odor coming from our playground laging through the halls and it made me want to investigate further, so i took soil samples from my school playground and grew bacteria to see if the odor was coming from the dirt.

#### Biography

Hi, Im Ella Pilot I am a grade 7 student at woodcrest public school in Thunder Bay Ontario. This is my fifth year doing science fair. This is also the third time I have won my science fair. In fourth grade I won the beginner division and I won again in grade 6. This year I won the health research award, the best junior in the fair award. I also won a spot at the canada wide science fair. This year for my project I grew bacteria from the soil in my schools playground. I did this because for the past 4 years my school has smelt really bad and I wanted to figure out why and if it could be coming from the soil. If I were to carry my project on further I would engineer a drainage system for all the water run off to drain out of. If I were to give any advice to other students doing a science fair project I would say do what you love. Do a project that makes you excited and happy to do science because science should make you happy.

#### 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