

# CWSF 2019 - Fredericton, New Brunswick



## Antonia Tannert

### Algae-Mania: Fun with Green Scum

**Challenge:** Environment

**Category:** Junior

**Region:** Central Interior British Columbia

**City:** Prince George, BC

**School:** Westside Academy

**Abstract:** I studied the effect of different parameters on the growth of algae in lake water using visual observation, disk measurements and light transparency and found that high levels of phosphorous fertilizer, high temperature and more sunlight lead to more algae growth. This project is relevant because it shows that we should limit the amounts of fertilizer that go into our lakes.

### Biography

My name is Antonia Tannert von Baer. I am 13 years old and am in grade 7 at Westside Academy in Prince George, BC. I love playing soccer with my friends and during my spare time, I like to read or do crafts. I have two siblings, Kristina and Sebastian; and ever since we moved to Prince George about three years ago we have a dog named Jasper and a horse named Lacey. During the summer, we like to go to lakes, to swim and kayak. I was inspired to do my project when during one of these trips; the lake had much algae. I began to wonder about what influences the algae to grow so plentifully, and what impact on the environment it had. After completing my project, more questions arose and I plan to research the reusable environment-friendly energy algae can provide. I think students should follow their curiosities while conducting projects and not let obstacles and mistakes make them quit.

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