

CWSF 2016 - Montreal, Quebec



Finn Manktelow, Matthias Gasser

Algalectricity

Challenge: Energy

Category: Junior

Region: Canadian Rockies

City: Canmore, AB

School: Lawrence Grassi Middle School

Abstract: The purpose of this project is to see if algae can produce electricity. There were two phases to this project: Phase 1 (which was conducted during the regional science fair) and Phase 2 (which had a more controlled environment). Phase 1 showed that in fact algae could produce electricity. Phase 2 produced no greater voltage between the algae and the control.

Biographies

Finn - This is my first time at CWSF. I live in the Rocky Mountains and I like fishing and mountain biking. I'm not sure yet what I want to do when I finish high school, but it will probably involve the great outdoors. My project partner and I got the inspiration for the project from a magazine he receives every month. I know he might be doing a follow-up project, but I am moving to BC, so I will probably pursue a different project next year. Any students thinking about doing a project, just remember no idea is a bad idea! It might not take you to the CWSF but it doesn't have to. The point is not to win, but to learn. I'm not saying winning is a bad...

Matthias - I am in Grade 7 at Lawrence Grassi Middle School (LGMS) in Canmore, AB. I really like doing things that are hands-on, like building and drawing. I also love reading and playing board games. I've been to the regional science fair three times and this is my first time going to nationals. I am really interested in renewable energies. My partner and I got inspired to do our current project, "Algalectricity", because we thought making electricity from plants was pretty cool. Further research on "Algalectricity" would probably be designing a algae fuel cell that could produce more power. Could this form of electricity - algae electricity - beco...

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