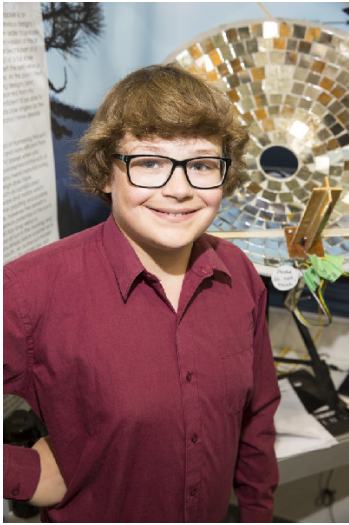


CWSF 2015 - Fredericton, New Brunswick



Dylan Peil

Solar Concentrator Tracker

Challenge: Innovation

Category: Junior

Region: West Kootenay & Boundary

City: Nelson, BC

School: Trafalgar Junior Secondary

Abstract: My project is about collecting energy from the sun. Last year I used a hinged closet door which I covered in mirrors. This year, I built a small satellite dish covered also with mirrors and designed an apparatus that aims my dish at the sun. What I found out was that it is possible to create heat with a small amount of mirrors.

Biography

I am 13 years old, and I live in Nelson, BC with my dads and my brother. I attend grade eight at Trafalgar Middle School. I am involved in Nelson Tech Club, a hacker-space club where I design and build robots, as well as enjoy learning about interesting technologies. I was inspired to find a green energy that is actually practical and can help solve personal power generation. Talking with Tech club buddies and my dad, they helped me come up with my project. I plan to work on making this project a full size automated version that works. Currently I have a small size automated version.

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 |