

CWSF 2018 - Ottawa, Ontario



Dylan Peil

?Bio' Mechanical Arm

Challenge: Innovation

Category: Senior

Region: West Kootenay & Boundary

City: Nelson, BC

School: L V Rogers Secondary

Abstract: To create a more life-like mechanical arm that can bend 90 degrees from the center without rotating from the base. This could be used to create more realistic pipebots or to have the ability to hook up a number of arms to one modular base therefore giving more scalable design.

Biography

I am 12 years old, and I live in Nelson BC with my dads and my brother. I attend grade seven at Trafalgar Middle School in Nelson. 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 really green energy that is actually practical and can help solve personal power generation. Talking with Tech club buddies and my dad helped me come up with my project. I plan to work on making this project an actual working, full size automated version. Currently I have a full size manual version (it takes constant effort to keep it working) and a small scale automated (robotic) version that does the hard work for me. Just work on it, and don't sit around. Get it out there so you can be seen.