

CWSF 2007 - Truro, Nova Scotia



Joel L. Brennan, Lowell Tait

Power Generation

Division: International / None

Category: Junior

Region: Yukon/Stikine

City: Whitehorse, YT

School: Holy Family Elementary

Abstract: We built an electric generator using materials from a hardware store. We wanted to see how much voltage we could produce. We learned that as we increased the speed of the drill and the amount of wire on a coil but decreased the distance between the magnet and coil, more electricity was produced. Temperature did not make a significant difference in the power generated.

Biographies

Joel L. - My name is Joel Brennan. I am 13 years old and attend grade 7 at Holy Family Elementary School in Whitehorse, Yukon. I have a paper route and also work as a hockey referee in winter. I work at Up North Adventures in the summer. I like building models, fixing my bike and learn a lot watching Discovery channel. I have participated in the Yukon-Stikine Regional Science Fair three times. Activities I like to do include freestyle biking, whitewater kayaking, ice hockey, soccer, snowboarding, kite boarding and skateboarding. I am the first person in my extended family to go to the National Science Fair

Lowell - My name is Lowell Tait and I am in grade 7 at Holy Family Elementary in Whitehorse, Yukon. I have lived in Whitehorse all my life and I have 3 older sisters. I enjoy outdoor activities in the Yukon like hunting and especially fishing. I like to ride skidoos in the mountains and also dirt bikes and mountain bikes. I participate in sports like hockey, volleyball, basketball, badminton and golf.