

## CWSF 2012 - Charlottetown, Prince Edward Island



### Cole Jordan

#### Bipolar Tesla Coil Theory

**Challenge:** Discovery

**Category:** Senior

**Region:** Annapolis Valley

**City:** Wolfville, NS

**School:** Horton High School

**Abstract:** This project was to prove my hypothesis about the theory and operation of a bipolar Tesla coil. Through the process of this experiment I was able to prove my theory about bipolar Tesla coils.

#### Biography

I am an electrical enthusiast who became intrigued by tesla coils and their theory of operation, a bipolar tesla coil was especially interesting and was the inspiration of this project. I plan to become an Electrical Engineer and hope to continue with electrical resonance and the practical applications of it.