

# CWSF 2013 - Lethbridge, Alberta



## James Lees

### A Star in the Hands of Humanity

**Challenge:** Discovery

**Category:** Intermediate

**Region:** Chignecto East

**City:** Merigomish, NS

**School:** East Pictou Rural Middle School

**Abstract:** Nuclear fusion can be created using a variety of methods, one of the most common being to compress particles together using high energy lasers. Another possible method is to replace the lasers with high energy x-radiation producing devices. In conducting research and performing theoretical calculations the feasibility of such a method can be determined.

#### Biography

I'm James Lees from Pictou County, Nova Scotia. My project is called A Star in the Hands of Humanity and involved me researching how x-rays can be used to fuse hydrogen. This project took me several months as I have been working on it since September of 2012. Last year I attended the CWSF in Charlottetown PEI. Soon afterwards I began to brainstorm ideas for next years science fair and I ended up with the topic of nuclear fusion. Over the next few weeks I did further research and decided that it would be a good idea to research different ways to create fusion. I love art and as you probably guessed I also love science. I am an avid Steampunk enthusiast and can often be seen dressing up like a time traveler. I am also a huge fan of everything fantasy and I have even begun to write a book. When creating a science fair project I would be sure to recommend that you plan everything out as well as you can as well as start early. Also one of the most indispensable assets you can have while developing a science fair project is your mentor

#### Awards

#### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>