

# CWSF 2014 - Windsor, Ontario



## Jared Poole

### Lending a Helping Arm

**Challenge:** Innovation

**Category:** Junior

**Region:** Ottawa

**City:** Ottawa, ON

**School:** Greenbank M.S.

**Abstract:** The objective of this project was to build a robotic arm capable of helping a person to lift weight and accomplish other basic tasks. There were many improvements to be made which I explored and executed to achieve better results and performance. Applications include medical rehabilitation, and increasing factory efficiency.

### Biography

Jared Poole is a grade eight student at Greenbank Middle School in Ottawa. He was inspired to build this project after he saw the Iron Man films in September. He plans to continue building robotic exoskeletons and creating other electronic/mechanic devices. He is heavily involved in community and school events. For example, he enjoys volunteering his time as tech guy, running events for both groups. He is an active participant in many leadership programs such as Beyond The Hurt, an anti bullying campaign offered by the Red Cross. Jared occupies his spare time with diving, soccer and enjoying the outdoors. However, Jared's overall passion remains with learning new things and applying this knowledge in areas of science and engineering. Longer term, he hopes to attend a Canadian university and seek a dual degree in electrical and mechanical engineering. This will hopefully lead to a career as a robotics engineer. For anyone thinking about the science fair, Jared truly believes that the best way to succeed is to follow your dreams wherever they take you.

### Awards

### Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 300</b>