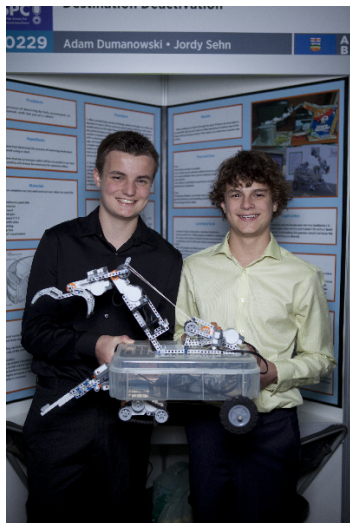


CWSF 2013 - Lethbridge, Alberta



Adam Dumanowski, Jordy Sehn

Destination Deactivation

Challenge: Innovation

Category: Intermediate

Region: Southeast Alberta

City: Medicine Hat, AB

School: St. Mary's School

Abstract: Our project was created in order to solve the ongoing problem of improvised explosive devices, in particular anti-personnel landmines. By designing an automated robot that can complete the process of demining without human contact, we hope to reduce the current loss of life due to landmines across the globe.

Biographies

Adam - My name is Adam Dumanowski. I attend St. Mary's School in Medicine Hat where I am a first class honours grade nine student. I enjoy playing badminton, baseball, indoor soccer and running. Being active is very important to me and I am working towards becoming a lifeguard. Besides athletics music has been a large part of my life. I am studying grade eight piano, taking advanced rudimentary theory and in my sixth year of guitar. Science and science fair has always been my favourite subject. I aspire to be a mechanical engineer and enjoy robotics. This interest coupled with the fact that my partner knows someone who is permanently crippled because...

Jordy - My name is Jordy Sehn and I am a born and raised Medicine Hatter. I enjoyably attend St. Mary's School in grade 9 and I am apart of our school badminton team. Throughout the year I love to play soccer and do so in a league. Truly, I have a passion for engineering and hope to further increase my knowledge of the field in the upcoming years of my education. Our project Destination Deactivation was inspired by a combination of Adam and I's love of robotics and a past incident involving a family friend who was critically maimed by an I.E.D in Afghanistan. We had hoped to help solve the growing landmine problem across the world by using an automat...