

CWSF 2011 - Toronto, Ontario



Justin Quinn

What is a more efficient way to sort bottles and cans

Challenge: Innovation

Category: Intermediate

Region: Central Alberta

City: Innisfail, AB

School: Innisfail Junior Senior High School

Abstract: My project is an automated conveyor belt that sorts bottles and cans due to their physical properties. Weight detector for the glass to wires with pennies for the aluminum cans because there conductible and the plastic bottles fall off the end.

Biography

I was born in Belleville Ontario, our family moved to Yellowknife NWT when I was the age of 6. When I was the age of 10 we moved to Edmonton, that same year we moved to Innisfail which is where I live right now. I have been interested in engineering ever since I was a little boy making Lego machines like cranes. As I got older I started to make little cars with a card board frame and skewer axels using 9v batteries as the power. To my latest project making an automated conveyor belt that sorts bottles and cans.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 300