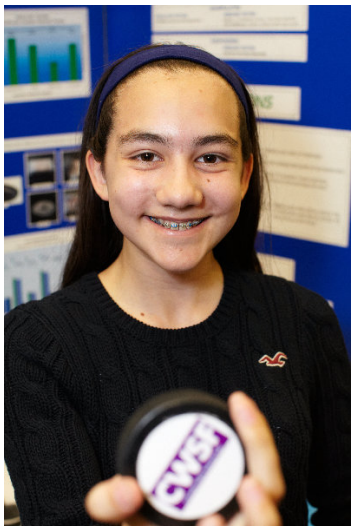
CWSF 2012 - Charlottetown, Prince Edward Island



Terra Lanteigne

Cold Play: What will keep the puck cold for the entire play?

Challenge: Innovation
Category: Junior
Region: Halifax
City: Hatchet Lake, NS
School: Bedford Academy
Abstract: Warm ice hockey pucks bounce randomly while frozen pucks are more predictable. I experimented with different puck designs to keep the puck cold, and therefore reduce bounce, for a longer period of time. Rebound property of each puck was measured with a homemade apparatus. Most of the experimental pucks had an increase rebound after 15 minutes, yet all performed better than the NHL Regulation puck.

Biography

Terra Carling Lanteigne is a grade 8 student at Bedford Academy, just outside of Halifax, NS. She was born in Laval, Québec, and moved to Nova Scotia when she was six. Terra is determined to excel not only in her academics, but also in her other activities. She plays multiple instruments including the flute, piano, and electric guitar, and is part of her school's rock, jazz, orchestral, and select bands. She plays goalie for a boys competitive hockey team, and has won 4 MVP awards this season. Terra hopes to someday make it to the Canada Games. She is interested in the field of engineering and likes to design and build. Her project was inspired by her favorite sport, ice hockey, and her desire to improve an aspect of the game. This led to the experimentation on puck designs to reduce rebound. This will be her first time at the CWSF, and she is grateful to Saint Mary's University for giving her the opportunity to attend.

Awards	Value
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	$1 500
Western University Scholarship Gold Medallist - $4000 Entrance Scholarship Sponsor: Western University	$4 000
Total	$5 500