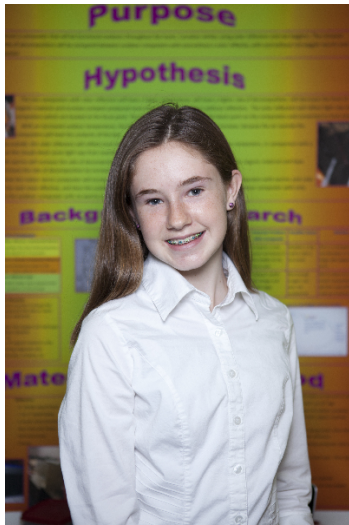


CWSF 2013 - Lethbridge, Alberta



Sarah Scott

A Compost Cure for Cold Canadian Climates

Challenge: Innovation

Category: Junior

Region: Lambton County

City: Camlachie, ON

School: Errol Village E.S.

Abstract: Average backyard composters do not produce or sustain heat throughout the winter, which organic material requires to decompose. To address this, composters combining solar reflectors and red wiggler worms were designed and tested. As predicted, solar reflectors increased the temperature, decreased the depth of organic material and increased the rate of decomposition. Solar-heated composters are a potential solution for cold climates and reducing landfill waste.

Biography

I am currently a grade 8 student at Errol Village Public School in Ontario. Last year, I attended the Canada Wide Science Fair in Charlottetown, PEI, making this my second CWSF experience. I am extremely excited to be back for another year because CWSF was definitely one of the best experiences of my life! I am very thankful for my science savvy teacher, as she is the reason that I conducted a science fair project and entered in the Lambton County Science Fair. I now want to continue with science fairs as long as I can! Besides science fair, I enjoy many sports including soccer, hockey, swimming, cross-country, track, and visiting the magnificent Rocky Mountains for skiing adventures. Twice I have won best of division track awards, and can't wait to be coached by my dad in high school. I love to play the piano, and annually compete in the Lambton County Festival, this year performing two songs. Over the years, I have won a variety of awards at the music festival. I am also an avid reader, and especially enjoy the Hunger Games and Harry Potter series, and can't wait for the Catching Fire movie to be released.

Awards

Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100