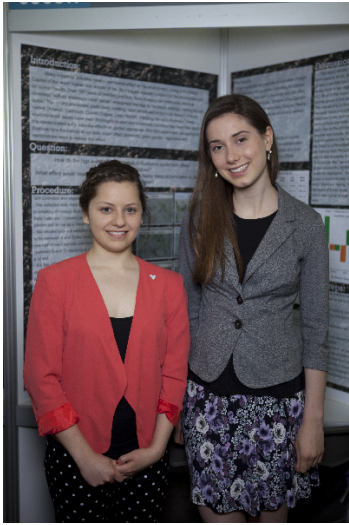


CWSF 2013 - Lethbridge, Alberta



Abigail Thorpe, Josée Courtemanche

Sudbury's Toxic Soils and their Effects on Garden Vegetables

Challenge: Environment

Category: Senior

Region: Sudbury

City: Sudbury, ON

School: Collège Notre-Dame

Abstract: Sudbury's environment has been greatly altered by its past 150 years of mining activities. The region's soil is acidic and laden with heavy metals. Our project's goal was to see how the toxicity of the area's soils would impact the growth and heavy metal uptake of common vegetables, as well as look at ways to reduce these effects.

Biographies

Abigail - I was born and raised in Sudbury, Ontario. I've been on this earth for 17 years and have grown up to become a wholehearted health-nut. I truly believe that health covers all aspects of life; physical, mental and spiritual. What really drives my passion is the study of industrial activities and their effects on human bodies. I find it is incredibly difficult for us to find a balance in life when we've been stripped away from the natural environment in which we've evolved. I feel it is my duty to inform people on the potential dangers of certain human activities. To that end, through my science project, I explore the extent to which the toxicit...

Josée - Growing up in a northern mining town has given me a unique perspective on our relationship with the environment. Having always loved nature as a kid, I can't discover how precious our environment really is and how much of an impact we can have on it; good and bad. I became very interested in my hometown's environmental story. Environmental sustainability and healthy living are also of great importance to me, and the local food movement encompasses them both. This project was a great means of learning more about Sudbury's ecology and the incredible adaptations of plants. I hope that in pursuing a career in environmental engineering, I will hel...

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