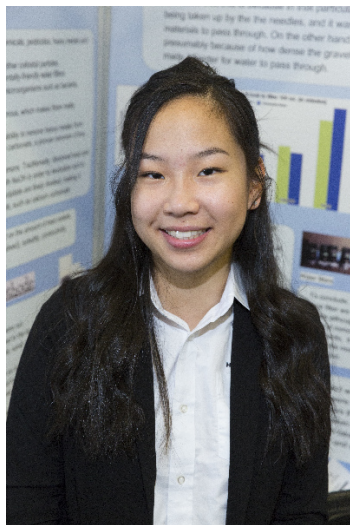


CWSF 2018 - Ottawa, Ontario



Daisy Xiao

Which 'Natural' material is best for filtering water?

Challenge: Environment

Category: Intermediate

Region: Northwestern Ontario

City: Thunder Bay, ON

School: St. Ignatius S.S.

Abstract: The purpose of this investigation was to examine whether eggshells, gravel or spruce needles, are the most effective at reducing turbidity, total dissolved solids, and contaminants such as e. coli when used in an environmentally-friendly water filter. This kind of filter is beneficial because it can be used in a natural environment and is renewable.

Biography

My name is Daisy Xiao and I'm currently in grade 10 attending St. Ignatius High School, in Thunder Bay, ON. My favourite subjects in school are Math, Science and English and I enjoy art class as well. One of my hobbies is running, and I am a part of the local running group at Lakehead University. In addition, I also like to give back to my community by volunteering at my local library with their "Readers for Leaders" program. I also love playing the piano and have been taking lessons for the past 9 years. This June, I will be taking my Grade 9 Conservatory Canada Classical piano exam. This year, I decided to do a topic involving water filters for my science fair project because I am passionate about the environment and natural resources. I got the inspiration for this project from seeing an ad for a "natural" biodegradable water filter and wondering if I could make something similar myself with less materials. My advice to students considering taking on the task of a science fair project would be to just go for it, as you never know where your research will take you.

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