

## CWSF 2016 - Montreal, Quebec



### Rémie Cherepak

#### Would you Eat these Peas?

**Challenge:** Environment

**Category:** Junior

**Region:** Yukon Stikine

**City:** Whitehorse, YT

**School:** Christ the King Elementary

**Abstract:** The purpose of my experiment is to see if commonly used vehicle fluids have a negative impact on plant growth. Each contaminant treatment consists of three levels of soil contamination. Results show that antifreeze has a severely negative impact on plant growth. Regular gasoline has a negative impact, though not as severe as antifreeze. Neither synthetic oil or petroleum oil have any noticeable impact.

#### Biography

My name is Rémie Cherepak and I am 13 years old. I love playing soccer, volleyball, basketball and cross country skiing with my friends. I love traveling. I've already been to America, New Zealand, Tahiti and Japan, and I plan on going to every glorious country in the world. I have every comfort I could possibly wish for, but nothing can break my bond with nature. With the wilderness as my backyard, I love spending time outdoors with my family hiking, hunting and exploring. It is very important to me that we take care of the plants and animals we share the environment with, because they were here long before us. The inspiration for my project came from my concern for the organisms that live in contaminated sites, so I decided to test if plants growing in vehicle fluid spill sites where affected. In the future, I would like to investigate if used vehicle fluids and different contaminants have an impact on plant growth. My advice to other students is to choose a relevant topic and stay on top of their work.

#### Awards

#### Value

Nutrients for Life Foundation Award - Junior Sponsor: Nutrients for Life Foundation Canada	\$500
Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 500</b>