

## CWSF 2018 - Ottawa, Ontario



### Marley Shewchuk-Iwankow

#### Waste Not

**Challenge:** Environment

**Category:** Junior

**Region:** Frontier Schools

**City:** West Hawk Lake, MB

**School:** Falcon Beach School

**Abstract:** I used fish waste as a natural fertilizer on plants as an alternative to being dumped into waterways. I wanted to find the best way to apply the waste onto a bean plant; as a liquid product mixed into the soil or as a dry product on top of the soil. I also tested different amounts of each.

#### Biography

I am a grade 7 student who enjoys skiing, soccer and fiddling. I enjoy volunteering in my community, spending time with my family and friends at the lake and travelling. The inspiration for this project came from my home. We have a wood burning fireplace and I wondered if the ashes could be used for anything useful. After experiencing a forest fire close to our home last year, and knowing how a forest will rejuvenate quickly after a fire, I thought, why not use the ashes on plants? To extend this project, I would like to see if there is a difference between using hardwood and softwood ash, and to further research the composition of soil with the addition of ash. As for advice to other students, conduct a lot of research and be well-prepared!