



CWSF 2018 - Ottawa, Ontario



Kate MacMillan, Ainsley Horton

Pitting Against Artificial Preservatives

Challenge: Innovation
Category: Intermediate
Region: Central Okanagan
City: Kelowna, BC

School: Kelowna Secondary

Abstract: This project investigated the natural antioxidizing properties of avocados

pits. The project was extended to compare efficacy of common natural and synthetic preservatives to prevent avocado flesh oxidation. The importance of evaluating natural preservatives is paramount as lower impact chemicals

need to be utilized in sustainable food production.

Biographies

Kate - Kate MacMillan is a grade 10 student at KSS Secondary in Kelowna British Columbia. This year Kate is competing in her second year at the CWSF, and she is excited to be a part of this years fun. One of Kate's hobbies is rock climbing, and she has attended national bouldering competitions. Some of Kate's other hobbies include reading, drawing and piano. Kate got the inspiration for her project from the UN Sustainable Development Goal #12, Responsible Consumption and Production, as she and her partner want to help create a better future for all. Kate's advice to other students thinking about doing a project is to choose a topic, and partner wise...

Ainsley - Ainsley Horton is a grade 10 student at KSS Secondary in Kelowna British Columbia. This is Ainsley's third year competing in CWSF, and she is excited to be apart of this years. Ainsley is the co-head of sets in her school's theatre program and has been apart of two plays. Ainsley's hobbies include reading, drawing, and helping out at the local art gallery. Ainsley got the inspiration for her project from the UN Sustainable Development Goal #12, Responsible Consumption and Production, as she and her partner want to help create a better future for all. Ainsley advice to other CWSF students is to choose a topic you're interested in and s...

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



Youth Science Canada PO Box 297 Pickering ON L1V 2R4 www.youthscience.ca / info@youthscience.ca 416-341-0040

