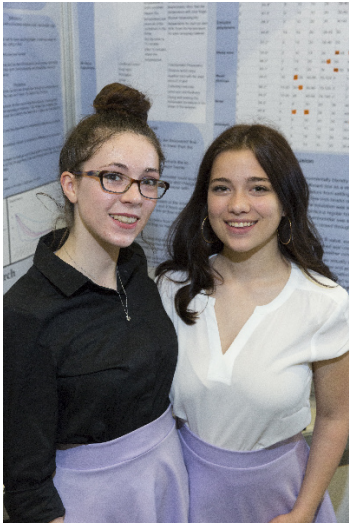


CWSF 2018 - Ottawa, Ontario



Amara Drefs, Brayley Emter

3R-Value

Challenge: Innovation

Category: Intermediate

Region: Peace Country

City: High Prairie, AB

School: Prairie River Junior High School

Abstract: Insulation can hold it's R-Value (quality) for over 100 years after installation. Imagine how long it stays in landfills before decomposing. We wanted to change that. We decided to make an insulation that was equally as effective as store-bought insulation but were uncertain of the results due to recent technological advancements. We constructed an insulation made up of byproducts that surpassed all others tested.

Biographies

Amara - My name is Amara Drefs, I am a grade nine student who attends school in a small town located in Northern Alberta. I love sports, I participate in volleyball, cross country, track and dance, as well as hand games, student government and drama. I have completed my DELF A1 and am working towards the next level. I babysit and help my parents farm during the summer. In the future, I hope to become a doctor and specialize in forensic pathology, However my ambition in life will always be to make a difference and help other people. I started my project because I have a cat house with three different insulations in it and wanted to see which would kee...

Brayley - My name is Madison Brayley Emter, I am a grade 9 student who attends school in a small rural town in Alberta. I participate in badminton, archery, handgames, I enjoy volunteering at the local hospital, writing and working with children. I have completed my DELF A1 and am working on my A2. My goals include attending Pearson International College and becoming a college professor specializing in the personalities of language arts. We decided to do our project because my partner has a kitty condo and each compartment has a different insulator. Because our temperatures have gotten to -40 this year we wanted to find an insulation that would be natu...

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