

CWSF 2019 - Fredericton, New Brunswick



Aeryn Eastwood

Garbage to Gucci: A Novel Approach to Producing an Eco-Friendly Leather Alternative

Challenge: Resources

Category: Intermediate

Region: Halifax

City: Halifax, NS

School: Halifax Independent School

Abstract: To reduce the enormous negative environmental impacts of the textile industry by lessening dependence on traditional textiles while also decreasing the amount of food waste entering landfills a novel approach to creating a reasonable alternative to leather made entirely from food waste is described. This process meets the following design goals: natural, low-complexity, low-cost, socially responsible, locally sourced and made, animal-free, carbon-negative and biodegradable.

Biography

I'm a ninth grade student from Halifax Independent School. I like drawing, music, sports, and obviously science. I'm on my school's track team, and outside of school I've participated in activities such as Hip Hop dance, art classes, and SuperNova courses like the I.T.S. For Girls program. I would love to pursue a career in biology, fashion design, or scientific journalism. I've now attended the Halifax Sci-Tech Expo twice, and have won two medals of excellence, along with specialized awards. This year I am honoured to make my first appearance at the Canada Wide Science Fair with my project Garbage To Gucci. I was inspired to do this project because I've always had an interest in fashion and the fashion industry and wanted to know if there was a way to make it more sustainable. I would like to continue on the path of sustainable fashion, and possibly investigate ways to improve the water resistance and durability of the product I innovated. My advice to other students who may be doing projects next year would be to make sure you're truly passionate about your subject, as you can use that passion as motivation to do something really special.

Awards

Value

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| Ted Rogers Innovation Awards - All categories Sponsor: Rogers Communications Inc. | \$2 000 |
| Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada | |
| Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University | \$1 000 |
| Total | \$3 000 |