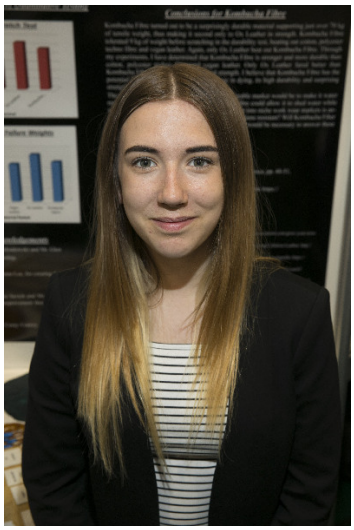
CWSF 2017 - Regina, Saskatchewan



Dana Pidsadowski

Friendly Fibre

Challenge: Resources
Category: Junior
Region: Edmonton
City: St Albert, AB
School: Sir George Simpson Junior High
Abstract: After reading an article in Popular Science, I was inspired to grow Kombucha Fibre. I then compared it to cotton, polyester techno fibre, ox leather and vegan leather for dyability, durability and strength. I determined that Kombucha Fibre is stronger and more durable than cotton, polyester techno fibre and vegan leather. Only Ox Leather fared better than Kombucha Fibre in durability and strength.

Biography

Dana Pidsadowski is in Grade 8 at Sir George Simpson Junior High in St. Albert, Alberta. At SGS, Dana is enrolled in the Academic Challenge Program and plays Rugby on the school team. After school, she trains with a Competitive Dance program where she hones her talents in pointe, ballet, jazz, tap, contemporary and lyrical styles. Dana has toured much of Western Canada and is looking forward to a trip to Australia. This is Dana's first experience at the Canada Wide Science Fair. Dana's entry was inspired from an article in Popular Science Magazine about a scientist who developed a biodegradable fabric grown from Kombucha SCOBY. Dana improved the procedure and successfully grew her own Kombucha Fabric samples. She then performed quantitative and qualitative testing. These results were then compared to the same evaluations of cotton, polyester techno fiber, vegan leather and ox leather. Dana's next steps are to experiment how to scale up production and to make the Kombucha Fabric suitable for cleaning. Dana hopes to enter University in a combined Science/Business academic stream in order to bring promising technological advances, like Kombucha Fabric, to market. She encourages everyone, to follow their curiosity in science and to try everything!