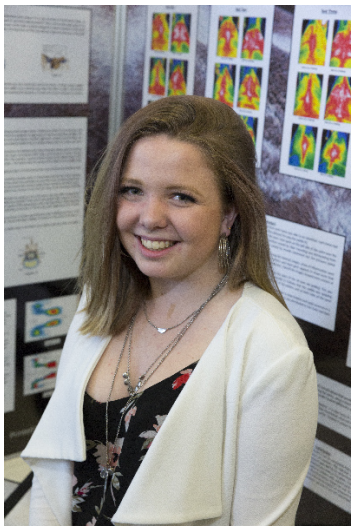
CWSF 2018 - Ottawa, Ontario



Kyra Taylor

A Novel Approach for Preventing and Monitoring Back Complications in Equines

Challenge: Discovery
Category: Senior
Region: Northern British Columbia
City: Montney, BC
School: North Peace Secondary

Abstract: My sister's horse sustained permanent muscle damage caused by an ill-fitting saddle. Realizing that there is very little technology available to the equestrian community to help prevent this, I am studying equine anatomy, the use of infrared systems, and pressure sensor systems and after gathering the data with a thermal imaging device, I hope to put this knowledge into a prototype pressure saddle pad.

Biography

I am a grade eleven student attending North Peace Secondary School in Fort St. John, British Columbia. Being a 4-H member for eight years has made agriculture and farm life is apart of who I am. As an owner of twelve horses and two mini mules, I am always looking for new ways to prevent potential damage caused by my tack and will not interfere with the horses' natural moment. Now that I have the information provided by this years study I plan to continue on to designing a prototype that can be used and tested by a rider. I have been competing in science fair since grade four and while almost every year my topic is different there is one thing that always stays the same, I am always passionate about what I am studying. You can have the most advanced project out there but if you are not excited and passionate about what you are doing I believe that you are missing out on so much of the experience of what science fair has to offer.