



CWSF 2017 - Regina, Saskatchewan



Biography

My Name is Dakotah I am 14 years old and love school. I am very interested in speed skating. I have gone to nationals and provincials 3 times I also have been skating for 3 years. When I get a job I want to be a mechanical engineer, I plan on going to university for 6 years after high school. I have traveled to Australia, Germany, Mexico, USA and many different places in Canada. When I was in grade 6 I had this idea for a science project but I didn't have enough time after a holiday to do the project / experiment. This year when I found out that there was a science fair I picked this experiment. I really liked the aspect of dealing with chemicals and elements from the periodic table. I would probably try to maybe pursue the hydrogen fuel part of the experiment. If you were to do a experiment for the science fair make it something with science related or to benefit society or the community.

Dakotah Ruel

Separation of H20 to Pure Hydrogen & Oxygen

Challenge: Environment

| Category: | Junior |
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| Region: | Northern British Columbia |
| City: | Pouce Coupe, BC |
| School: | Dawson Creek Secondary - Central Campus |
| Abstract: | There is a growing push toward greater environmental sustainability |
| | worldwide. This project examines the potential of using a very abundant, |
| | easily accessible, natural resource (water) and turning it into two more |
| | valuable substances, one of which that can be used as an alternate, zero |
| | emissions, fuel source. Can water be broken down into its component parts |
| | via electrolysis using low-cost materials and less power effectively? |



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