CWSF 2016 - Montreal, Quebec

Sahana Kalidindi

Solar-Potential Energy Storage and Water Purification Hybrid System

Challenge: Energy
Category: Junior
Region: Windsor
City: Windsor, ON
School: Talbot Trail P.S.
Abstract: This project is focusing on creating a dual-functioning system that will produce electricity using solar photovoltaic means and store the amount generated using potential energy. At the same this system will also be filtering out excess fluoride by using a reverse osmosis filtration process, to reduce the amounts of inhabitants in rural areas that have fluorosis.

Biography

My name is Sahana Kalidindi, I'm an 8th grade student at Talbot Trail Public School. This is my 2nd Regional Science Fair and my 1st CWSF. Throughout my years in school, I have always had a passion for science, which was what drove me to make my project. Renewable energy sources are also something that has always fascinated me, this allowed me to explore solar photovoltaics and potential energy to make my system. In the future I wish to explore different filtration technologies, such as Nano filtration and other renewable energy sources. Apart from science fairs, I also adore mathematics, as I have participated in the Gauss and Caribou math contests. My hobbies include playing the piano and taking Royal Conservatory Exams to earn a teaching degree. I also enjoy learning classical Indian dance from which I'm privileged to perform at the Carrousel of the Nations annually. Sports I like to play and watch include basketball, tennis and badminton. Being able to present my project at the CWSF is a great opportunity for me to show the world my scientific view, and how I would like to better lives of those living in rural areas.

Awards	Value
Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 000

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