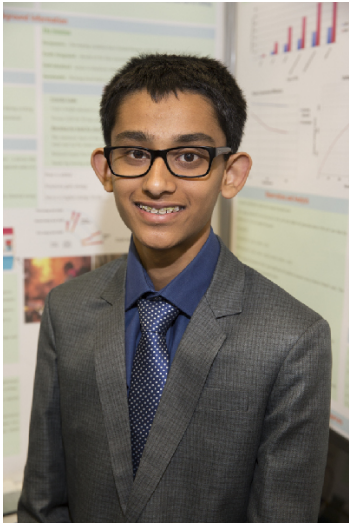


CWSF 2016 - Montreal, Quebec



Siddhant Gautam

The Recipe for Electricity

Challenge: Energy

Category: Intermediate

Region: Edmonton

City: Westlock, AB

School: Harry Ainlay School

Abstract: Electricity is a necessity of our current lifestyle. Unfortunately, 1.3 billion people in developing countries do not have access to electricity. An innovate yet feasible solution is required, and in my project I created a thermoelectric generator which captures waste heat from stove to generate electricity. This innovation will profoundly benefit the people living in poverty, as it will allow them to develop and advance.

Biography

Science Fair has been a passion of mine since Grade 5, and I am fortunate enough to be attending CWSF for the third year in a row. Through since fair, I have learned that there are many challenges and pressing issues which humanity faces, and through science we can solve some of this problems. I became inspired to do this project when I realized the poor condition of over 1 billion people in this world, whose lifestyles are undeveloped. I wanted to find a way to generate electricity which can be used in developing countries, because I believe every human has a right to have access to it. I would encourage other students to find other matters of concern which exist today, and try to solve those problems using their interests in science. In my past regional fairs, I have won the IEEE engineering award, the Environment Canada award, and gold and silver medals. I enjoy Science and Math in school. I am also part of the badminton team which has won the city championship for the past few years. I also enjoy being a part of the community soccer team and swimming, and I love travelling to new places

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