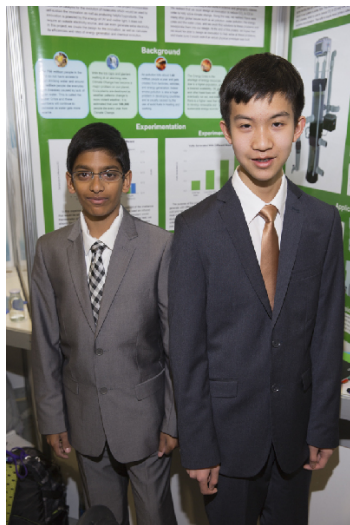


# CWSF 2016 - Montreal, Quebec



## Rohan Batchu, Anthony Louie

### A Multifunctional Innovation For Efficient CO2 Reduction

**Challenge:** Environment

**Category:** Junior

**Region:** York

**City:** Markham, ON

**School:** Boxwood P.S.

**Abstract:** Air pollution, water pollution, climate change, the energy crisis and the water crisis are probably the biggest problems in our world today. In order to solve some of these global issues, we created A Multifunctional Innovation For Efficient CO2 Reduction. This multifunctional innovation can reduce CO2, generate electricity, filter water, and more. This can hopefully be applied to solve the problems in the world today.

#### Biographies

Rohan - My name is Rohan Batchu I'm a 13 year old, I have a passion for science and math. Science feeds my curiosity to explore interesting topics and math challenges me to be more enthusiastic in it. In everyday life, I've always been interested in topics that hold promise for real life applications. Especially my explorations and innovations revolve around our growing environmental issues to provide solutions around it. Last year I worked on integrating Savonious and Darrieus models to maximize wind power output and this year on CO2 reduction. I always find that the investigation of topics of one's personal interest is the most rewarding experien...

Anthony - Anthony Louie is a grade 8 student at Boxwood Public School in the Gifted Program. He is incredibly enthusiastic about STEM, and hopes to pursue a career in it. In the past, he has participated in many STEM related competitions, including the York Region Skills Challenge with his team; winning gold 3 times, and going onto the Ontario Technological Skills Competition. This is his first time in a science fair. This year, his project is the Innovation For Efficient CO2 Reduction, which was inspired after seeing the many problems in the world today. The innovation can purify water, generate electricity, reduce CO2 (in atmosphere or otherwise), cr...

#### 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