

## CWSF 2016 - Montreal, Quebec



### Charles Wang, Spencer Zezulka

#### The Raincyclor: Hydroelectric Rainfall Generator

**Challenge:** Innovation

**Category:** Intermediate

**Region:** South Fraser

**City:** Surrey, BC

**School:** Elgin Park Secondary

**Abstract:** Our world is in need of change. All scholarly study points towards the demise of fossil fuels within the century, but not before it causes the demise of our world. Our project, the Raincyclor, seeks to provide a complement to conventional renewable sources so that we may relieve our dependence on the bones of long-dead organisms and secure a future in which we may live.

#### Biographies

Charles - Hello! My name is Charles Wang, and I am currently a grade 10 student enrolled in Elgin Park Secondary. I was born in Taiwan and immigrated to Canada in the year 2009, where I started grade 4. I've always had a certain interest towards the sciences. It is always fascinating for me to understand the small details and processes of life. As of now, I aspire to work in the medical field when I grow up. However, the decision of being a doctor, a medical researcher, or even a biological engineer has not been yet made. As for "The Raincyclor", the main inspiration for my partner and me is the fact that we live in Vancouver, an area of high precipita...

Spencer - Salutations! My name is Spencer Zezulka, and I am currently enrolled in tenth grade at Elgin Park Secondary. My hobbies include masochistically shoving numerous AP courses and self-study down my throat, chasing the rabbits out of my vegetable garden, and hanging out with my buddies. My favourite classes are all of the sciences, especially physics. I am also a relatively proficient pianist; to date, my greatest accomplishment was being given the chance to perform at a gala in the prestigious Carnegie Hall after winning gold at an international competition in New York. As I live in Vancouver, I witness massive amounts of rain being poured from ...

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