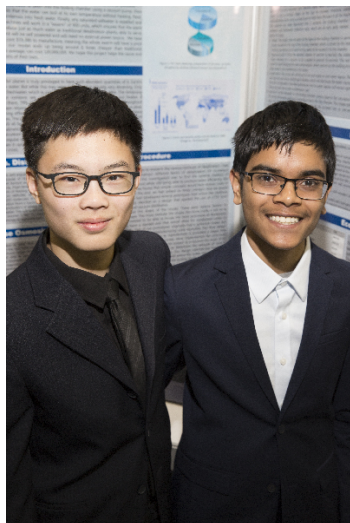


# CWSF 2019 - Fredericton, New Brunswick



## Saabir Yousuf, Kevin Liu

### Economically Feasible Desalination

**Challenge:** Innovation

**Category:** Junior

**Region:** Saskatoon

**City:** Saskatoon, SK

**School:** Greystone Heights

**Abstract:** For the last few centuries, the human population has grown so much that the natural water cycle is having trouble providing everyone with enough water. But we have a solution. We've invented a machine completely from scratch that will solve this crisis by converting seawater into freshwater efficiently while being cheaper and easier to implement than ever. We hope our invention will change the world.

#### Biographies

Saabir - Hello! My name is Saabir Yousuf, and I live in Saskatoon, SK. I am in grade 8 and attend Greystone Heights Elementary. I attend that SAGE program at my school. This is a special program, catered to academically gifted students. We do a lot of project-based learning in SAGE. I love science, as it is my favourite subject in school. one of my biggest hobbies is playing the piano. I love learning the instrument and I love playing music. Being able to participate in the CWSF is truly a privilege. When starting this project, we would have never thought we could have the chance to be entered into such a prestigious competition. We love innovating, a...

Kevin - My name is Kevin Liu. I was born in Beijing and moved to Canada in 2013. I currently attend Greystone Heights School in Saskatoon. My sole interests are with science. I have a passion for engineering and designing nonsense machines; the former was thoroughly demonstrated when I disassembled an air conditioner with a screwdriver on my first day of kindergarten. My kindergarten teachers reacted like any sane person and questioned what my parents taught me at home. Ever since my umbilical cord was cut off, I knew deep inside that I wanted to become a scientist, and yet here I am designing and making 3D models of water purification plants and roc...

#### 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