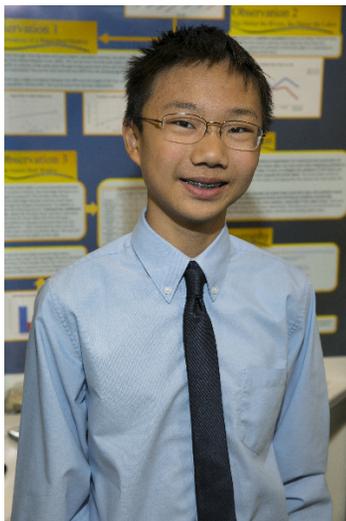


CWSF 2017 - Regina, Saskatchewan



Kevin Liu

Flowing Through Distinct Watersheds

Challenge: Environment

Category: Junior

Region: Toronto

City: Toronto, ON

School: Upper Canada College

Abstract: The four main rivers in Southern Ontario originate from the same Mono area and flow into three different lakes, through distinct watersheds consisting of farmlands, cities, and greenbelts. This project aims to examine the correlation between the pollution levels at the river mouths and the characteristics of the watersheds the rivers flow through. It also studies whether the Green Belts help reduce river pollution.

Biography

Kevin Yunqiao Liu is a Grade 7 student at the Upper Canada College. He lives with his parents in Toronto, Ontario in the neighborhood of Etobicoke. Since young age, Kevin has developed a passion for science with diverse interest. He spends nights marveling at planets and stars through the telescope, he is fascinated by the microscopic creatures and invisible structures, he watches numerous videos trying to understand basic concepts of physics and chemistry, he surveys water in the Ontario rivers to determine the pollution levels, and he enjoys doing various projects in robotics and computer programming. Kevin understands that mathematics is an indispensable tool for realizing his dreams in the world of science. Therefore, he has also fostered a passion for math. He has consistently studied math a few years ahead of the Ontario curriculum and participated in many math contest at higher grades. Recently, he made onto the Official Honor Roll or Achievement Roll Lists for several Grade 10 math contests including The Canadian Intermediate Math Contest and the American Mathematics Competitions (AMC10). Kevin is also an avid reader, an outdoor enthusiast, a frequent skier, a school-team swimmer, and a Tae Kwon Do Blackbelt.

Awards

Value

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|---|---------|
| 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 |