

# CWSF 2019 - Fredericton, New Brunswick



## Anthony Saturnino

### Eave 7.0: An Autonomous Robotic Eavestrough Cleaner

**Challenge:** Innovation

**Category:** Junior

**Region:** Bay Area

**City:** Hamilton, ON

**School:** St. Margaret Mary E.S.

**Abstract:** I invented an autonomous eavestrough cleaning robot to reduce the dangers of falling while manually cleaning your eavestroughs. I used the iterative design process, which is a methodology based on a cyclic process of prototyping, testing, analyzing, and refining a product. I created a total of 7 prototypes. My final prototype has the ability to autonomously navigate the eavestrough while removing the debris inside.

#### Biography

Anthony Saturnino is a grade 7 student from St. Margaret Mary School, in Hamilton, Ontario. Anthony has been competing in Science Fairs since grade 4 and has won multiple gold merit awards. Anthony also enjoys playing soccer and football competitively, playing the piano, playing chess, editing videos and hanging out with friends. He has participated in many math competitions and has received the HWCDSB Director's Award for Sciences and Technology. Anthony was inspired to create his innovation after an incident occurred when his father was cleaning the eavestroughs last Spring. For any other students considering doing a science fair project, he encourages them to not only choose a topic you are passionate about but to challenge yourself and have fun.

#### Awards

#### Value

Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 000