



**ST. AUGUSTINE CHS**  
Science Department



## St. Augustine CHS Achieves outstanding Results at the York Region Science and Technology Fair

St. Augustine CHS science students entered a total of 7 Projects at the York Region Science and Technology Fair hosted by York University on Saturday, April 1st. Students in the grade 11 STREAM program worked individually or with a partner since September to design and develop their projects. During the event, they demonstrated enthusiasm and confidence and presented their research with considerable expertise. The St. Augustine students received a total of 16 awards, including gold medals for two projects.

Certificates of Honourable Mention were awarded to Martin Sit for his project on Emotion Detection Application, as well as to Maggie Zhao and Iris Yu for their Terrarium pH study project. Jason Peng received the EcoSpark Environmental Award, the Energy Challenge Category, and an honourable mention for his project on Water Turbine in Sewer Systems.



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Catherine Tang and Nicolas Tran earned bronze medals and the Home Innovation Award for their project on Recycling PPE Masks into Home Insulation. Jocelyn Browne and Affie Fan received bronze medals and the Agriculture, Fisheries and Food Challenge Category Award for their project on Detecting Fruit Ripeness With Photoresistors.

Two teams earned Gold Medals and the honour of representing York Region at the Canada Wide Science Fair (CWSF) in May. Callista Chan and Mya Chana received Gold Medals for creating a Senior Well-Being App for families to monitor their loved ones remotely. This project also earned the YRSTF Communication and Presentation Award, The Peer Award, the Health and Wellness Challenge Category, and a York University Entrance Scholarship. Sam Chan and Isaac Lo received Gold Medals for their project which removed heavy metals from contaminated water. The project was also honoured with the Dr. Ray Clement Environmental Award. Best wishes to all four students as they prepare for the Canada Wide Science Fair in Edmonton, Alberta in May where they will present their research projects and compete with youth from across Canada.

Ms. Tropea, their teacher advisor, the Science department, and the St. Augustine CHS community wish to congratulate all the student participants on their remarkable accomplishments. The success of the students at the YRSTF solidifies the major goals of the STREAM program which is to promote the development of project management skills and the design thinking process to identify and solve real-world problems through experiential learning.