

2026 Rotary Algoma STEM Fair Awards - HSCDSB Projects

Project Title	Category	Student Name(s)	School	Grade	Award(s)
Development of a Machine Learning System for Automated Fall Detection	Health and Wellness	Vincent Mannarino	St. Mary's College	12	<ul style="list-style-type: none"> • Excellence in Computer Science • 1st Place Projects - Senior Category First Place, • Best of Fair \$1,000 Scholarship - • University of Ottawa (Science, Engineering, or Health Science)
Ultrasonic Sight	Digital Technology	Perzan Umrigar	St. Mary's College	12	<ul style="list-style-type: none"> • 3rd Place Projects - Senior Category
The Wrist Phone	Curiosity and Ingenuity	Andres Rausseo Baron and Joseph Cha	St. Mary's College	9	<ul style="list-style-type: none"> • Excellence in Engineering • 3rd Place Projects - Intermediate Category • SHAD Scholarship

Automated Ingredient Dispenser for the Elderly and Disabled	Health and Wellness	Gabriel DiCerbo	Holy Angels Learning Centre/STEAM Lab - TAS10	8	<ul style="list-style-type: none"> • Excellence in Robotics
Do Video Games Affect Your Health	Health and Wellness	Dean Orlando	Holy Angels Learning Centre/STEAM Lab - TAS10	8	<ul style="list-style-type: none"> • Excellence in Health & Safety • SHAD Scholarship
Save Our Waters	Environment and Climate Change	Naomi Dagenais and Jordyn Macknight-Slater	St Mary's French Immersion	7	<ul style="list-style-type: none"> • Natural Resources Challenge
Automatic Plant Watering System	Environment and Climate Change	Robert Crowle	Holy Angels Learning Centre/STEAM Lab - TAS10	8	<ul style="list-style-type: none"> • Green Excellence Award
Helping Dogs Walk	Disease and Illness	Makayla Robibaro and Pria Ketchabaw	Holy Angels Learning Centre/STEAM Lab - TAS10	8	<ul style="list-style-type: none"> • Disease and Illness Challenge
Fungus Gnats: A Common Greenhouse and Household Problem	Curiosity and Ingenuity	Shreeya Contractor	Holy Cross	7	<ul style="list-style-type: none"> • Green Excellence Award • SHAD Scholarship
How the Environment Affects GPS Accuracy	Curiosity and Ingenuity	Alex Armenti	St Mary's French Immersion	7	<ul style="list-style-type: none"> • Excellence in Mathematics
Coloured Pencil Sorter	Digital Technology	Marione Santos	Holy Angels Learning Centre/STEAM Lab -	8	<ul style="list-style-type: none"> • Digital Technology

			TAS10		Challenge
WSS - Winter Safety Sensor	Digital Technology	Regina Carbajal Sosa	St Mary's French Immersion	7	<ul style="list-style-type: none"> Digital Technology Challenge
The Science Behind Cupcakes - How Ingredients Affect Baking	Agriculture, Fisheries and Food	Emily Grace Evans and Brynn Alexis McConnell Stienburg	Holy Cross	7	<ul style="list-style-type: none"> Agriculture, Fisheries, and Food Challenge
The Layers of the Earth	Aerospace	Dannika Backstrom	Holy Angels Learning Centre/STEAM Lab - TAS10	8	<ul style="list-style-type: none"> Aerospace Challenge

Highlights:

- 14 of the 22 projects submitted by HSCDSB received awards.
- Vincent Mannarino, project titled Development of a **Machine Learning System for Automated Fall Detection**, received First Place - Best of Fair among other awards.
- Perzan Umrigar, project titled **Ultrasonic Sight**, received Third Place - Senior Category
- Andres Rausseo Baron and Joseph Cha, project titled **The Wrist Phone**, received Third Place - Intermediate Category.
- Six projects from the TAS10 Continuing Education course received awards.