Media:
Professor Cardinal Warde
Caribbean Science Foundation
Bridgetown, Barbados
warde.csf@gmail.com

Caribbean Science Foundation
Owen Arthur CARICOM Research Complex
UWI Cave Hill Campus
Bridgetown, Barbados

Bridgetown, 23 January 2025

Seven CARICOM countries win medals at the 2025 Caribbean STEM Olympiads

The Caribbean Science Foundation (CSF) held the third annual Caribbean STEM Olympiads (CSO) on 13 – 19 January 2025 in a virtual format. In these Science, Technology, Engineering and Math (STEM) Olympiads, individuals and teams representing educational institutions or themselves competed in Math, Computer Coding, and Robotics & Electronics Systems Olympiads at three different age levels (12 – 15, 16 – 18 and 19 – 21).

In the competitions, the focus was on rewarding inventiveness, as well as critical, logical and analytical thinking. In particular, the Math Olympiad was held in a Jeopardy-style format and covered the fundamentals in topics ranging from consumer arithmetic to vector calculus. The Computer Coding Olympiad tasked applicants with creating apps, games, and websites aimed at solving a challenge faced by Caribbean communities. The challenges tackled by teams in the 2025 Olympiads included geohazards and climate change, cultural preservation, conservation science and ecology, inter and intra country transportation, food safety and security, safe after-hours transport for women and youth, and financial education. The Robotics & Electronics Systems Olympiad tasked the Level I applicants with building innovative systems from kits, whereas the Level III robotics and electronics systems teams were required to design and assemble their robots starting from the basic-components level.

A total of 264 students from 9 Caribbean countries registered for the 2025 Olympiads, making it the highest registration to date. After the preliminary rounds, 41 teams (98 students) made it to the finals. There were 34 finalists in the Math Olympiad, 39 in the Computer Coding Olympiad, and 25 in the Robotics & Electronics Systems Olympiad. Medal certificates and cash prizes of US$ 500, 400, 300 and 200 were awarded to teams winning platinum, gold, silver, and bronze medals, respectively. The Medals and Awards Ceremony, held on Sunday 19 January 2025, revealed that Jamaica led the medal count with 10 medals, followed by Belize and Guyana with 4 each, and Barbados, Saint Lucia, Saint Vincent and the Grenadines and Trinidad and Tobago with 2 each.

In 2025 platinum medals were awarded to teams who received a final score between 95% and 100%, as the CSF continued to raise the standard of the Olympiads. "Pi Enthusiasts", a team consisting of Chad Wright and Jaheim Smart who attend Campion College in **Jamaica**, but represented themselves, gave an outstanding performance and clinched the Level 1 Math Olympiad platinum medal (the only platinum medal awarded in 2025). To further celebrate this team's excellent performance, each member of "Pi Enthusiasts" will be receiving either a laptop or tablet, in addition to their US$ 500 cash prize.

Regarding some of the other prestigious medals earned, "PCC Pi-rates", a team consisting of Kovid Capildeo, Avinda Dhoray, and Saiesh Rampersad from Presentation College, Chaguanas, **Trinidad and Tobago**, earned a gold medal in Level II of the Math Olympiad. Anaiah Bousquet, Shanice Searles, and Payten Xavier representing St. Joseph's Convent Secondary School in **Saint Lucia** earned a gold medal in Level I of the Math Olympiad. In Level III of the Math Olympiad, Nishanae Williams, a **Jamaican** student currently attending Howard University, won a gold medal. Also, earning a gold medal from **Jamaica** was Kristian Coke, Ruwan Amarakoon, Demaria Walker and Joseph Udoudo who impressed the Level III Computer Coding Olympiad judges with their food safety and security project "Nothing Nuh Grow Suh".

Belize clinched two gold medals in Robotics & Electronics Systems Olympiad. In Level I, Mia Yam, Carlos Blanco, Jair Urbina and Kian Carrillo from Muffles College High School presented their robotics project "Making Intelligent Life Possible through Agriculture (MILPA)" designed to assist farmers with planting, watering and ploughing, while in Level III, Bridget Pineda from Nazarene High School awed the judges with her electronics project "Cricket", designed to detect flames, smoke, sparks and gas leaks.

Also earning a gold medal was 13-year-old Temidara Oyedotun, who attends School of the Nations, **Guyana**. His data processing project, "State of the Soil: State of the Crop", examined the effects of factors, such as bacteria, on food safety and security, and earned him the top prize in Level I of the Computer Coding Olympiad. For Level II of the Computer Coding Olympiad, Khamala Mars and Nya Scott of team "KarifKoders" from **Saint Vincent and the Grenadines,** tackled the challenge of cultural preservation with their project "GariGuru" which was an interactive game designed to teach primary school children in Saint Vincent and the Grenadines the basics of the Garifuna language.

Professor Cardinal Warde, the Interim Executive Director of the CSF said, "*I am impressed by the level of achievement of the participants. However, it is clear that the CSF needs to do more to enhance the quantity and quality of robotics and embedded systems in the Region. To aid those Robotics & Electronics Systems teams that start early in preparation for the 2026 Olympiads, the CSF will issue a call for proposals to assist such teams in covering the upfront costs of components.*"

The competing students also had a lot to say. Chad Wright of platinum medalist team "Pi Enthusiasts" from **Jamaica** stated, "*I would like to thank the CSF, sponsors and anyone else who contributed for this amazing opportunity. It really helped us to challenge ourselves and meet other people from the Caribbean. It was very fun, and we will be coming back next year.*"

Kovid Capildeo of gold-medallist team PCC Pi-rates from **Trinidad and Tobago** said, "*It's the first Math Olympiad that I participated in where it has such a unique format with the quick-fire thinking and such a broad range of topics from algebra, sequences, geometry, trigonometry, vectors; practically everything that you would learn in pure math was covered here and a lot of applied math too, so it is a really nice thing because if you study for the CSO, it almost has a side effect that you are going to be well prepared for CAPE. So, I think it is a really nice format and structure. It was very dynamic and very fun.*"

Temidara Oyedotun, a 13-year-old student from **Guyana**, who won a gold medal in Level I of the Computer Coding Olympiad and a bronze medal in Level I of the Math Olympiad stated, "*The Olympiads were very suspenseful and exciting, and I enjoyed every moment of the competitions. Also, I thank you for recognizing all the months of hard work I put into preparing for the two challenges I took part in.*"

Gold medalist Nya Scott of "KarifKoders" from **Saint Vincent and the Grenadines** said, "*We both wanted to thank the CSF and sponsors for organizing these Olympiads and creating this opportunity for young people in the Caribbean to explore STEM. Participating has improved our coding skills and critical thinking skills, but it has also allowed us to tackle real world issues affecting our country and Region.*"

Simeon Green of "Phi-re Phi-ghters" from **Barbados** who won a silver medal in Level III of the Math Olympiad said, "*We really enjoyed preparing by doing a lot of practice, and even during the competition, just the rigor of the math we had to do was really interesting. You should have seen our faces when got the question done. We really enjoyed participating.*"

Silver medalist Caesar Melendez of "<Rambots>" from **Belize** High School who competed in Level II of the Robotics & Electronics Systems Olympiad stated, "*Thanks to the judges who gave very constructive feedback on how we could improve our project. It made us realise all of our flaws since this is the first time that we've done the CSO, and it inspired us to try to see if we can come back next year. Thank you very much for this honour and we are thrilled to have earned a silver medal in this competitive filed.*"

Faith Robinson from **Saint Lucia,** who earned a bronze medal in Level III of the Robotics & Electronics Systems Olympiad and was a finalist in Level III of the Computer Coding Olympiad said, "*It was genuinely a really fun experience. It was fun to develop. It fun to hear the judges feedback, and it was especially inspiring to see the work of the other Olympiad participants.*"

The Institutional sponsors included CIBC Caribbean, Emera Caribbean, Peloton International, Sandals Foundation, and the U.S. Embassy in Barbados, the Eastern Caribbean and the OECS. The CSF is a regional, non-profit NGO with the mission of assisting with the development and diversification of the economies of the Caribbean Region by promoting STEM education reform and stimulating technology-based entrepreneurship. For more information on the CSF, the Caribbean STEM Olympiads and other programs run by the CSF, please visit https://caribbeanscience.org.

More Medallists and Finalists in the 2025 CSO

A complete list of medallists by country, event, and age level is provided in the Table below. Photos of all teams who competed in the finals, organized by country, event and medal can be found [here](#). Video clips from the CSO are located [here](#).
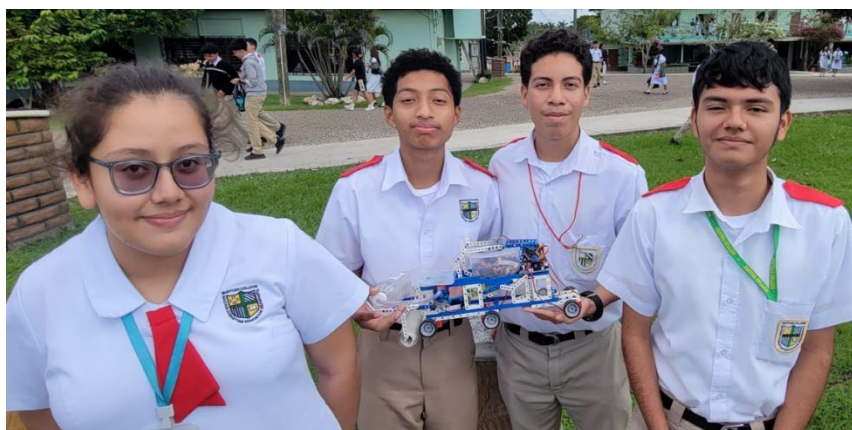
Selected Photos from the 2025 Caribbean STEM Olympiads

Team "Phi-re Phi-ghters" consisting of Ian Francis and Simeon Green of UWI – Barbados earned the silver medal in Level 3 of the 2025 Math Olympiad

Roshauna Clarke of Harrison College's Kolij Robotics Club, Barbados earned a silver medal in Level 1 of the 2025 Math Olympiad.

Mia Yam, Carlos Blanco, Jair Urbina and Kian Carrillo from Muffles College High School in Belize won a gold medal in Level 1 of the 2025 Robotics & Electronics Systems Olympiad with their robotics project "Making Intelligent Life Possible through Agriculture (MILPA)".

Bridget Pineda from Nazarene High School in Belize clinched the gold medal in Level 3 of the 2025 Robotics & Electronics Systems Olympiad with her project "Cricket", designed to detect flames, smoke, sparks and gas leaks.

"<Rambots>" consisting of Caesar Melendez, Caleb Aguilar, Ximin Huang and Maliyah Casey from Belize High School won a silver medal in Level 2 of the 2025 Robotics & Electronics Systems Olympiad with their project "Bwai, Clean Up – Bronbot", a robot designed to combat over-littering.

Temidara Oyedotun who attends School of the Nations in Guyana, won a gold medal in Level 1 of the 2025 Computer Coding Olympiad with his project "State of the Soil: State of the Crop" and a bronze medal in Level 1 of the Math Olympiad.

Titianna Wells, Tomika Wallace and Rihanna Taylor of Queen's College, Guyana, won a silver medal in Level 2 of the 2025 Computer Coding Olympiad for their conservation science and ecology project "Tides of Tomorrow".

Chad Wright and Jaheim Smart of "Pi Enthusiasts", from Jamaica, captured the platinum medal in Level 1 of the 2025 Math Olympiad.

Nishanae Williams from Jamaica earned a gold medal in Level 3 of the Math Olympiad.

"Team 7" consisting of Demaria Walker, Kristian Coke, Joseph Udoudo and Ruwan Amarakoon from Jamaica captured a gold medal in Level 3 of the 2025 Computer Coding Olympiad for their project "Nothing Nuh Grow Suh".

"Team KSM" consisting of Kayla Wright, Shandon McFarlane and Malique Flowers from Jamaica won the silver medal in Level 2 of the 2025 Math Olympiad.

"Ohm's Army", an all-girls team consisting of Nevaeh Scott, Kirabo Musaazi, Damia Sibblies and Leanna Webb of Jamaica, earned a silver medal in Level 2 of the 2025 Robotics & Electronics Systems Olympiad for their project "SolPump - Solar Powered Water Pump for a Small Irrigation System".

Anaiah Bousquet, Shanice Searles and Payten Xavier represented St. Joseph's Convent Secondary School, Saint Lucia, and earned a gold medal in Level 1 of the 2025 Math Olympiad.

Faith Robinson from Saint Lucia, won a bronze medal in Level 3 of the 2025 Robotics & Electronics Systems Olympiad with her dragon fly robotics project "Binky". She was also a finalist in Level 3 of the 2025 Computer Coding Olympiad with her project game "Growing Seeds".

Khamala Mars and Nya Scott of "KarifKoders" from Saint Vincent and the Grenadines, captured a gold medal with their project "GariGuru" in the Level 2 of the 2025 Computer Coding Olympiad.
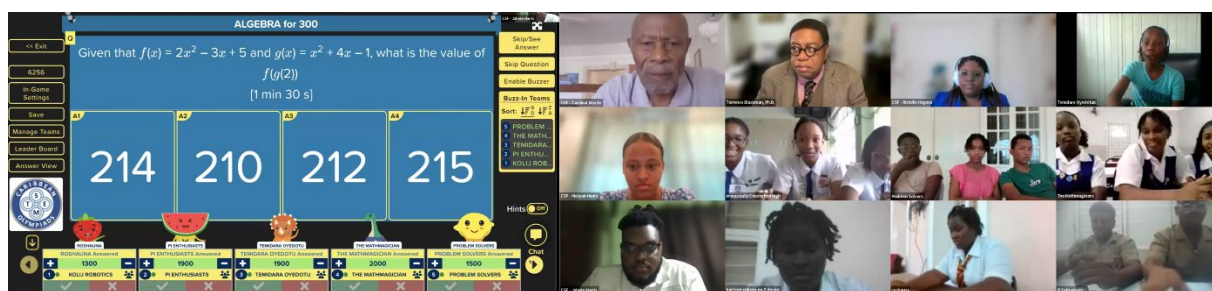

LeBern Matthews from Saint Vincent and the Grenadines earned a bronze medal with his hurricane preparedness app "Lookout" in Level 2 of the 2025 Computer Coding Olympiad.

"PCC Pi-rates", from Presentation College, Chaguanas, <u>Trinidad and Tobago</u>, consisting of Avinda Dhoray, Saiesh Rampersad and Kovid Capildeo clinched the gold medal in Level 2 of the 2025 Math Olympiad.

Christianna Boodoo, Selena Rampersad and Amelia Rajack of Holy Faith Convent Couva, <u>Trinidad and Tobago</u>, won a silver medal in Level 2 of the 2025 Robotics & Electronics Systems Olympiad for their beach-cleaning robot "CSA Sand Saver".

Teams in the 2025 Math Level 1 Olympiad Finals.

Teams in the 2025 Math Level 2 Olympiad Finals.

Teams in the 2025 Math Level 3 Olympiad Finals.

2025 CARIBBEAN STEM OLYMPIADS: MEDALISTS BY COUNTRY, EVENT AND AGE LEVEL

Math Olympiad Level 1

Country	Team Name	Team Members	Representing	Medal
Jamaica	Pi Enthusiasts	Jaheim Smart, Chad Wright	Self (Campion College)	Platinum
Saint Lucia	The Mathmagicians	Anaiah Bousquet, Shanice Searles, Payten Xavier	St. Joseph's Convent Secondary School	Gold
Barbados	Kolij Robotics Club	Roshauna Clarke	Harrison College	Silver
Guyana	--	Temidara Oyedotun	Self (School of the Nations)	Bronze

Math Olympiad Level 2

Country	Team Name	Team Members	Representing	Medal
Trinidad and Tobago	PCC Pi-rates	Kovid Capildeo, Avinda Dhoray, Saiesh Rampersad	Presentation College, Chaguanas	Gold
Jamaica	KSM	Malique Flowers, Shandon McFarlane, Kayla Wright	Self (Campion College)	Silver
Jamaica	Mathbats	Cody Williamson, Srikar Garimidi, Jonathan Shaw	Self (Campion College)	Bronze

Math Olympiad Level 3

Country	Team Name	Team Members	Representing	Medal
Jamaica	--	Nishanae Williams	Self (Howard University)	Gold
Barbados	Phi-re Phi-ghters	Simeon Green, Ian Francis	Self (University of the West Indies - Cave Hill)	Silver
Jamaica	--	Debra Amata	Self (New York University)	Bronze

Computer Coding Olympiad Level 1

Country	Team Name	Team Members	Representing	Project Title	Medal
Guyana	--	Temidara Oyedotun	Self (School of the Nations)	State of the Soil: State of the Crop	Gold
Jamaica	Island Swallowtails	Matthew Williams, Amari Cross, Tjon Smith, Tori Senior	Campion College	Power Island	Silver
Belize	Uber501!	Mannat Lalwani, Zyanie Urbina, Mikael Cervantes	Muffles College High School	Uber501!	Bronze

Computer Coding Olympiad Level 2

Country	Team Name	Team Members	Representing	Project Title	Medal
Saint Vincent and the Grenadines	KarifKoders	Khamala Mars, Nya Scott	Self (Gap Year; Employed respectively all previously of St. Vincent and the Grenadines Community College)	GariGuru	Gold
Guyana	Level Up	Tomika Wallace, Titianna Wells, Rihanna Taylor	Queen's College	Tides of Tomorrow	Silver
Saint Vincent and the Grenadines	--	LeBern Matthews	Self (St.Vincent and the Grenadines Community College)	Lookout	Bronze

Computer Coding Olympiad Level 3

Country	Team Name	Team Members	Representing	Project Title	Medal
Jamaica	Team 7	Kristian Coke, Ruwan Amarakoon, Demaria Walker, Joseph Udoudo	Self (Gap Year, previously Campion College; University of the West Indies, Mona respectively)	Nothing Nuh Grow Suh	Gold
Jamaica	Lambda	Laraine Williams	Self (University of the West Indies, Mona)	Finance Fox	Silver
Jamaica	Twin	Jordan Morais-Duke, Ajani Henry	Self (University of the West Indies, Mona)	HerWay Home	Bronze

Robotics & Electronics Systems Olympiad Level 1

Country	Team Name	Team Members	Representing	Project Title	Medal
Belize	MILPA/ Milpa	Mia Yam, Carlos Blanco, Jair Urbina, Kian Carrillo	Muffles College High School	MILPA	Gold
Guyana	Tech Queens	Ciel Clement, Akemi Glasgow, Koyama Blair, Aditi Joshi	Self (Queen's College)	Dual Arm Forceps Recovery Bot	Bronze

Robotics & Electronics Systems Olympiad Level 2

Country	Team Name	Team Members	Representing	Project Title	Medal
Jamaica	Ohm's Army	Nevaeh Scott, Kirabo Musaazi, Damia Sibblies, Leanna Webb	Self (Immaculate Conception High School)	SolPump - Solar Powered Water Pump for a Small Irrigation System	Silver
Trinidad and Tobago	Sand Savers	Christianna Boodoo, Selena Rampersad, Amelia Rajack	Holy Faith Convent Couva	CSA Sand Saver	Silver
Belize	<Rambots>	Caesar Melendez, Ximin Huang Maliyah Casey, Caleb Aguilar	Belize High School	Bwai, Clean Up -- Bronbot	Silver

Robotics & Electronics Systems Olympiad Level 3

Country	Team Name	Team Members	Representing	Project Title	Medal
Belize	NAZTECH	Bridget Pineda	Nazarene High School	Cricket	Gold
Saint Lucia	Light Creator	Faith Robinson	Self (Gap Year, previously Vieux - Fort Comprehensive Secondary School)	Binky	Bronze