



Students maneuvering their underwater robots at CADSTI/CSF's 2015 summer SPISE program



Caribbean Diaspora for Science Technology & Innovation

- New England
- Southeast
- UK
- Silicon Valley

A Partner of the Caribbean Science Foundation

<http://cadsti.org>

CADSTI: Who We Are

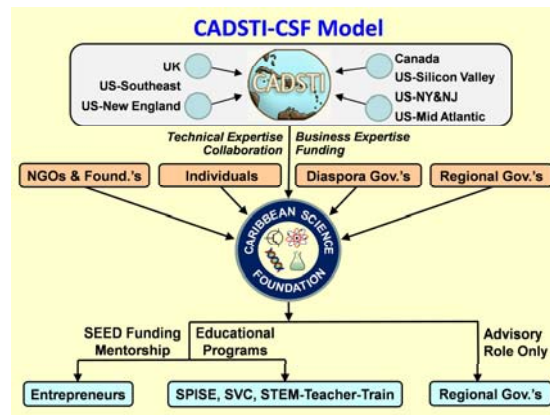
CADSTI is a non-profit non-governmental organization that supports the work of the Caribbean Science Foundation (CSF) by mobilizing the Caribbean Diaspora in the United States, the UK and Canada. The CADSTI branches are all based outside the Caribbean. The CSF is the implementation arm of CADSTI and is based and operates in the Region.

Mission

The mission of the Caribbean Diaspora for Science, Technology & Innovation (CADSTI) is to help facilitate the economic and social development of the Caribbean region by mining and leveraging the diverse, dispersed and largely untapped talent of the Caribbean Diaspora in the areas of science and engineering.

In particular, CADSTI will assist in diversifying the economies of the Caribbean by promoting and supporting science and engineering education, research and entrepreneurship in the Caribbean region as a means of advancing public health and catalyzing economic development and prosperity.

CADSTI created the Caribbean Science Foundation (CSF) in 2010 as its implementation arm in the Region. CADSTI supports the projects of the CSF by providing leadership and advisory oversight, and financial assistance. It encourages joint venture research, development and spin-off formation between Caribbean based entities and companies, and those in the Diaspora.



The CADSTI Branches

CADSTI-New England (CADSTI-NE)

- Manages internships for Caribbean students at biotech and high tech companies in the US

CADSTI-Southeast (CADSTI-SE)

- Engaged in annual fund raising for SPISE

CADSTI-Silicon Valley (CADSTI-SV)

- Started November 2015
- Planning to create a base of capital to fund Caribbean technology companies on a competitive basis

CADSTI-UK

- Organized the Caribbean Visionaries Challenge in London schools for Caribbean students in 2015
- Organizes a series of STEM talks in London given by outstanding Caribbean scientists and engineers



Persons wishing to join a branch of CADSTI should contact the branch via the e-mail given on the back of this brochure. There is also an option to join CADSTI International without a specific branch affiliation.



Caribbean Science Foundation

The CSF is a non-profit, non-governmental organization with its offices on the Barbados campus of the UWI. The CSF conducts STEM enrichment programs and workshops for students and teachers, provides guidance to entrepreneurs in the Region, and is planning to introduce a venture capital fund.

Projects of the CSF

1 - Student Program for Innovation in Science and Engineering (SPISE)



SPISE is an intensive 4-week, residential summer enrichment program for Caribbean high-school students gifted in science, engineering and math, and interested in careers in STEM fields.

Students are immersed in rigorous university-level courses in calculus, physics, biochemistry, entrepreneurship, Caribbean unity, and Mandarin, as well as hands-on projects in underwater robotics, renewable energy, electronics and computer programming.

Students from low-income households and girls are encouraged to apply.

SPISE discourages rote learning, and instead focuses on teaching students to understand and apply the fundamentals so as to achieve mastery of the material.

SPISE has served 66 students to date. SPISE graduates from the 2012-2014 classes are enrolled at some of the world's top science and engineering universities (MIT, Harvard, Stanford and Columbia). Some have full scholarships.

2 - Sagcor Visionaries Challenge (SVC)

The SVC is a design competition in which students in Caribbean schools work in teams and use Science, Technology, Engineering and Math (STEM) to develop effective, innovative and sustainable solutions to real challenges faced by the team's school or community.

The overall goal is to create more sustainable Caribbean communities.

The SVC is a collaborative project between the Sagcor Financial Corporation, the CSF and the Caribbean Examinations Council (CXC).

Please visit <http://sagcorvisionaries.com>

3 - STEM Teacher Training Workshops

The CSF STEM Teacher Training Workshops are 2 or 3 day events for primary school teachers within the Caribbean. The 2015 Workshops have been conducted in St. Vincent and the Grenadines, Antigua, Kingston and Montego Bay, Jamaica, and Barbados.



The goal is to train teachers in the use of Problem Based Learning (PBL) and Inquiry Based Science Education (IBSE) as teaching tools. Targeted teachers are those teaching Forms 1-3. The workshops are run jointly with the Caribbean Academy of Sciences

4 - Barbados Junior Robotics Camp

The inaugural version of this camp was held for 4 weeks during the summer of 2015. Twenty one students between the ages of 9 and 12 participated in this camp, The camp used the Vex robotics system. Plans for the 2016 camp are underway.

Contact Us

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Donations to CADSTI International

- By check, made out to CADSTI and mailed to the CADSTI address above.
 - On-line at <http://cadsti.org/donation/>
- For donations to a CADSTI branch, please make direct contact with the branch.