



CADSTI-NE

Caribbean Diaspora for
Science Technology &
Innovation- New England

*A U.S.-based partner of the
Caribbean Science
Foundation.*



Mission of CADSTI-NE and the Caribbean Science Foundation

*To assist in diversifying the economies
of the Caribbean by harnessing science
and technology for economic
development, and in so doing help
raise the region's standard of living.*

Specifically, CADSTI-NE and the CSF:

- Accelerate STEM education reform in the Caribbean
- Stimulate technology-based entrepreneurship in the region
- Provide scientific and engineering advisory services to Caribbean organizations

CADSTI/CSF Programs

- Internships for Caribbean students at U.S. biotech and high tech companies
- Sagicor Visionaries Challenge (SVC)
- Student Program for Innovation in Science and Engineering (SPISE)
- Caribbean STEM Teacher Training Project
- CaribVenture (under development)

“My internship was eye-opening. I got to perform a whole lot of protein biochemistry lab procedures including SDS-PAGE and Capillary Isoelectric Focusing”—Candice, 2014 summer intern and SPISE graduate.

Sagicor 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 among the Sagicor Financial Corporation, the Caribbean Science Foundation (CSF) and the Caribbean Examinations Council (CXC).
- The SVC is rooted in the belief that through greater community involvement, Caribbean people can live more sustainably and build a better future.



SPISE students programming a microcontroller for an embedded control project.

Student Program for Innovation in Science and Engineering (SPISE)

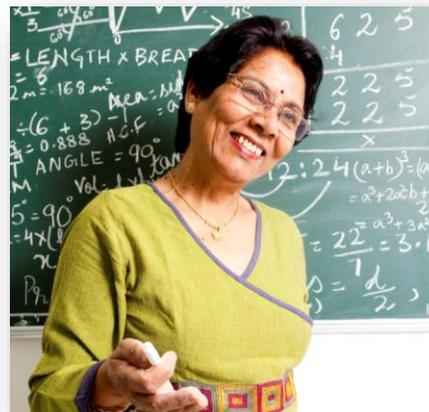
- An intensive 4-week, residential summer enrichment program for Caribbean high-school students who are gifted in science, engineering and mathematics, and interested in pursuing careers in these fields.
- Students are immersed in rigorous university-level courses in calculus, physics, biochemistry, 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. The aim is a balanced class of girls and boys.
- SPISE discourages rote learning, instead focusing on teaching students to understand and apply the fundamentals so as to master the material, and thus solve new and complex problems.
- *SPISE graduates from the 2012 and 2013 classes are enrolled at some of the world's top science and engineering universities including Harvard and Stanford, and several have full scholarships—a tremendous early return on the investment of sponsors.*



Students maneuvering their underwater robot at CADSTI/CSF's 2014 summer SPISE program.

STEM Teacher Training Workshops

- The CSF STEM Teacher Training Workshop is a 2-day event for primary school teachers within the Caribbean.
- 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 (students in the 10 to 13-year old age range).
- Teachers are selected by their relevant Ministries of Education, and are persons who are genuinely and passionately interested in exposing their students to elements of STEM.
- These teachers will become future trainers of other teachers.



Who We Are

About Us

CADSTI-NE is a non-profit 501(c)(3) organization that supports the work of the Caribbean Science Foundation (CSF) by mobilizing the Caribbean Diaspora in the northeastern United States.

While the Caribbean Science Foundation conducts workshops for science students (and teachers), summer science programs such as SPISE, student science competitions and other activities in the Caribbean, CADSTI-NE supports the CSF's activities by seeking financial support and sponsoring internships for Caribbean students at U.S. biotech and high tech companies.

Contact Us

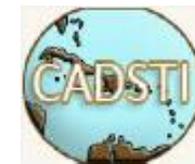
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- By check, made out to **CADSTI-New England, Inc.**, and mailed to the CADSTI-NE address below



CADSTI-NE

**Caribbean Diaspora for
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Innovation-New England**

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