

Science from Scientists Partners with the America's Cup Endeavour Program to Advance STEM Education

Non-Profit explores the science behind sailing faster than the speed of wind with Bermuda's youth



JUNE 22, 2017

BOSTON--(BUSINESS WIRE)--Science from Scientists (SfS), a non-profit dedicated to empowering youth to remain competitive in emerging STEM fields, today announced their partnership with the America's Cup Endeavour Program in Bermuda to help spread awareness and promote the importance of STEM education.

"These engineering marvels are both thoroughbred racing machines and science experiments"

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Science from Scientists will work with the America's Cup Endeavour Program to bolster the organization's STEM education curriculum in the home of the 35th America's Cup, Bermuda. Teaming up with the America's Cup Endeavour Program, Science from Scientists will collaborate with other industry thought-leaders to better establish the sport of sailing within the local youth community and elaborate on the rich science that drives it. The America's Cup Endeavour Program

brings together a Science, Technology, Engineering, Arts, and Math curriculum called "STEAM through Sailing" to introduce the sport to students in an interactive and educational way. "STEM" is changed to "STEAM" to account for an educational component that is often overlooked – Art. This helps encompass the idea that Art and Science are collaborative, therefore, "STEAM" education links these fields collectively.

"Sailing is a sport, but it is also a science and we're excited to work with the America's Cup Endeavour Program

and, through them, the Bermuda community to encourage students to find fun in the sport itself and the science behind it. STEM education will be essential to the next generation of youth in Bermuda, and around the globe, as the demand for career ready scientists, technologists, engineers, artists and mathematicians continues to grow." said Dr. Erika Ebbel Angle, founder and Executive Director of Science from Scientists. "The America's Cup Endeavour Program provides a perfect opportunity to encourage young people to start thinking and get enthusiastic about science because the engineering, technology, and design elements used to develop the racing yachts for the America's Cup event itself are truly fascinating."

America's Cup Teams have designed wing-sailed catamarans, nearly 50-foot long, with a wing height of about 79 feet, designed to reach speeds close to 50 knots (93 kph / 57mph). The hull of the boat lifts out of the water on hydrofoils, allowing the boat to fly across the water with so little drag that the lift generated by the wingsails allows them to accelerate, creating more wind across the sails, creating more lift, creating more speed and so on. Literally, the faster you go, the faster you can go. "These engineering marvels are both thoroughbred racing machines and science experiments," said America's Cup Event Authority CEO, Sir Russell Coutts. "To be able to harness the excitement of the America's Cup to inspire an appreciation for STEM is core to the mission of the America's Cup Endeavour Program and the partnership with Science from Scientists is helping to enable that mission."

Local students from all backgrounds will learn about sailing fundamentals, points of sail, wind power dynamics and weather patterns, discover how to rig and de-rig small sailboats and more through experiential education both on and off the water. Sharing a common vision around enhancing youth



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Local students from all backgrounds will learn about sailing fundamentals, points of sail, wind power dynamics and weather patterns, discover how to rig and de-rig small sailboats and more through experiential education both on and off the water. Sharing a common vision around enhancing youth engagement in the culture of science through stimulating experiential learning makes Science from Scientists and the America's Cup Endeavour Program natural partners.

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Join Science from Scientists at the America's Cup Village Main Stage on May 28, June 3, June 4, and June 10 for incredible science shows and on-stage demos and find us in the America's Cup Endeavour Education Station, presented by Orbis, with school groups during the week. Please visit www.americascup.com for additional details.

For more information about Science from Scientists, please visit: www.sciencefromscientists.org.

ABOUT SCIENCE FROM SCIENTISTS:

A Boston based non-profit, Science from Scientists believes that by harnessing the passion of real-world scientists to teach state and national framework-compliant, hands-on, lab-based lessons in the classroom, we can build STEM talent in a cost-effective fashion with measurable results and meaningful impact. Science from Scientists' mission is to improve the attitudes and aptitudes of students in STEM. The company sends real, charismatic scientists into classrooms and real-world settings to teach engaging lessons and ensure our nation's youth is competitive globally in STEM fields.

ABOUT THE AMERICA'S CUP ENDEAVOUR PROGRAM AND THE AMERICA'S CUP

As part of the America's Cup commitment to the Bermuda community, it created the America's Cup Endeavour, an ambitious youth education and sailing program dedicated to leaving a sporting legacy in Bermuda that has a strong, positive impact on the community.

To date, America's Cup Endeavour has engaged over 1,550 students ages 9 to 12 years old from diverse socioeconomic backgrounds across Bermuda, introducing them to the sport of sailing in a uniquely designed, fun and interactive education program, which features a Science, Technology, Engineering, Arts and Math curriculum, which we call STEM through Sailing.

The America's Cup is the premier event in the sport of sailing and oldest trophy in international sport. In 1851, the Royal Yacht Squadron in the UK organized a one-on-one competition between teams representing the nations of their respective yacht clubs in a single race around the Isle of Wight. In over 165 years, The America's Cup has evolved into a multi-national team competition featuring the best sailors in the world on the world's fastest and most innovative boats, wing-sailed and foiling AC45 and America's Cup Class catamarans. On December 2, 2014, Bermuda won the bid to host the 35th America's Cup, which will take place on the iconic Great Sound in May and June 2017.



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