



VIRGINIA SPACE GRANT CONSORTIUM

K-12 Student and Teacher Programs for 2014

Building Leaders for Advancing Science and Technology (BLAST)

Target: Current 8th and 9th grade students

Application deadline: February 1, 2014

The Building Leaders for Advancing Science and Technology (BLAST) program is an exciting, on-campus summer STEM experience for current 8th and 9th grade high school students in Virginia. Offered free to students, BLAST will bring STEM alive through a series of innovative experiences led by university faculty and staff at the University of Virginia and at Virginia Tech in the summer of 2014. Demonstrations and activities will showcase some of the out-of-the-ordinary science and engineering results with the goal to increase student curiosity. BLAST is a partnership between the Virginia Space Grant Consortium, the University of Virginia, Virginia Tech and the Commonwealth of Virginia.

www.blast.spacegrant.org

Virginia Aerospace Science and Technology Scholars (VASTS)

Target: Current 11th grade students

Application deadline: November 1, 2014

Free to qualified high school juniors, VASTS is a one-semester, interactive, Space Exploration-themed online course for high school juniors followed by a one-week Summer Academy at NASA LaRC for students who perform well in the course. The goals of this prestigious program are to inspire learning in STEM disciplines and encourage high school students to consider aerospace and STEM careers with NASA, industry, or academia and foster the workforce pipeline in Virginia. At the summer academy, students work under the mentorship of NASA scientists, engineers and technologists to design a human mission to Mars.

www.vasts.spacegrant.org

Virginia Space Coast Scholars (VSCS)

Target: Current 10th grade students

Application deadline: December 13, 2013

Designed to inspire students who possess technical or scientific interests, the VSCS program has an online component during the school year that introduces students to NASA's science missions and research platforms with a focus on the work of NASA Wallops and a seven-day Summer Academy experience, offered free to students. At the Academy, students interact with NASA scientists, engineers and project managers to hear first-hand about past and future missions at NASA Wallops.

www.vscs.spacegrant.org

Geospatial Training for Educators (GEOTREK)

Target: Educators

VSGC offers the GEOTREK-12 program to train teachers how to use geospatial technologies such as GPS, geographic information systems (GIS), and remote sensing in the classroom. The mission of GEOTREK is to introduce K-12 educators, via face-to-face workshops and seminars, the value of geospatial technology in the classroom and the job market, as well as help them gain an understanding of our world's connectedness. Workshops are targeted toward K-12 teachers with little or no knowledge of GIS, GPS, and/or remote sensing technology.

www.vsgc.odu.edu