

For Immediate Release

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Media Release

Stall Students Build Payload Satellite Recently Launched in Space

Mount Pleasant, SC – Thanks to an invitation from NASA and Destination SPACE, an all-female team from R.B. Stall High School worked on a project to construct a ThinSat (a small satellite currently transmitting data from low-earth orbit).

It was launched on NASA's Antares rocket earlier this month and orbited the earth for five days before burning up.

R.B. Stall is currently the only school in the state of South Carolina participating in the project. The six members on this all-female crew are helping to promote the 'can-do' opportunities available in STEAM (Science, Technology, Engineering, Arts, and Math). The girls are from a variety of cultural backgrounds and support each other in understanding the importance of being in school, and in focusing on STEM-related fields.

The team constructed the payload/satellite sensors and measured the magnetic field, temperature, UVA/UVB, and visible light.

Click [here](#) to see a video showing the process of the launch, and the manner in which the sensors will operate and more.

Two of the six female crew involved attended a space camp training in July 2018. There, Stephanie Wilson and Imani Henderson were able to have the opportunity to learn about the process of how the sensors work and how the students can track the sensors on the payloads as they prepared for the launch on the Antares rocket.

The following month, the team went to Clemson University to work, and train, mechanical engineering students on how to attach these payloads to high-altitude weather balloons to continue to test and practice using these sensors.

"This team has had the amazing opportunity to involve themselves into something they never dreamed of being able to do," said Maria Royle, an ESOL teacher with a

dual certificate in ESOL and Science. "For them to learn that it is okay to be challenged, to accept the challenge, and to look at the challenge in the face and not walk away is amazing."

Team members

Stephanie Wilson - Lead Person/attended space camp

Imani Henderson - Lead Person/attended space camp

Danielle Higgins - Team member

Kyla Wright - Team member

Sammi Chen - Team member

Karen Alonzo -Team member

To learn more about the ThinSat Girls from Stall, under the team of NASA Langley visit vaspace.org/index.php/thinsat-program and www.nasa.gov/nasalive or contact Maria Royle at maria_royle@charleston.k12.sc.us.

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About the Charleston County School District

Charleston County School District (CCSD) is the second largest school system in South Carolina representing a unique blend of urban, suburban, and rural schools spanning 1,300 square miles along the coast. CCSD serves more than 50,000 students in 86 schools and specialized programs. With approximately 6,100 employees district-wide, CCSD is the fourth largest employer in the region.

CCSD offers a diverse, expanding portfolio of options and specialized programs, delivered through neighborhood, charter, magnet, IB (international baccalaureate), and Montessori schools, and is divided into three Learning Communities. Options include specialized programs in science, engineering and mathematics; liberal arts; music and other creative and performing arts; career and technical preparation programs; and military and other public service enterprises.