

LEO HANO

UNIVERSITY STUDENT
LAUNCH INITIATIVE

ENGAGING TOMMOROWS FUTURE
IN TODAYS' STEM RESEARCH



USLI TEAM

Joleen Iwaniec

Todd Esposito

Patrick Lancaster

Premo Ames II



What is USLI?



The USLI students are challenged in a national competition by NASA to design, create, and launch a reusable rocket. However, these aren't just any rockets! USLI is required to carry a scientific payload and is able to withstand a one-mile altitude.

Windward Community College students, Todd Esposito, Joleen Iwaniec, Patrick Lancaster and Premo Ames II have been selected by NASA to participate in this year's competition. As such, they are well into their design and construction phases of competition and have decided to include today's youth in their project by designing their payload to be a "science project" carrier. Ever wonder if crickets chirp under stress? How much turbulence is really on a rocket? These things are easily answered if you place **your** class experiment into our rocket. Students are then able to listen to our rocket as it quickly ascends and descends.

Get Involved!



Greater than 65% of our nation's leading STEM (Science, Technology, Engineering, and Mathematics) researchers are reaching retirement. It is imperative that our youth become engaged in STEM programs and find their niche in this expanding community.

Our Contribution

We would like to visit schools and educate our youth about rocketry and the many components that are necessary for a stable rocket. This is best accomplished in a "hands on" rocketry workshop where students are able to build and launch their own model rocket!

The Challenge



Here are some questions... Can you think of a science project that could be launched in a rocket? What about launching an uncooked egg

and having it returned unharmed? Is this possible? We encourage interested students to launch a science experiment to fit within our student payload carrier. (dimensions: 3 1/4 in. x 8 in with a mass no greater than 1kg) Remember, anything is possible. Let creativity, imagination and a willingness to try something different take over and it's probable that great things will be accomplished!

Plases contact

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