An ERFSEDS Project

Project Lead: Eric Ford

The Mission:

• To launch a two stage student manufactured rocket
• To reach an altitude of 30,000 while meeting the criteria for the Spaceport America Cup

The Challenge:

• Manufacturing a rocket with a unique design that can withstand the forces of launch
• Successfully transitioning from the Booster Stage to the Sustainer Stage

The Results:

• Developing student skills to aid them in the aerospace industry after graduation
• Improving teamwork coordination and adhering to given project guidelines

A photo of the Artemis Sustainer launching off the launch rail.

A photo of a filament wound carbon fiber tube.

A photo of Artemis sitting on the launch rail before a test launch.

A CAD diagram of the Artemis Mk4 rocket design.