





## ROCKET AGAINST THE PULL OF EARTH



-  **SCHOOL:** CROSS CREEK EARLY COLLEGE HIGH SCHOOL
-  **LOCATION:** FAYETTEVILLE, NC
-  **FLIGHT PROVIDER:** ASTROBOTIC
-  **GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment tracks the g-forces of the rocket-powered lander throughout the flight. It also maps the surface of the surrounding area. If we measure the g-forces throughout the flight, then we expect to see higher g-forces during take off and descent. If we find this, we can determine when during flight astronauts will experience the most force due to gravity. We got our inspiration from watching race car races, as g-force is a term that is used often in motor sports.