



# ROCKET LANDER FLAME EXPERIMENT



-  **SCHOOL:** CLIFF VALLEY SCHOOL
-  **LOCATION:** ATLANTA, GA
-  **FLIGHT PROVIDER:** ASTROBOTIC
-  **GRADES:** MIDDLE SCHOOL

## STUDENT EXPERIMENT DESCRIPTION

Using an IR and visual light camera, our experiment records temperature of the rocket-powered lander's fuel output, as well as tests the vibrations of the lander using vibration and CO2 sensors. Our hypothesis is that the cameras will capture debris from the simulated lunar surface. Our inspiration was drawn from unanswered questions about space that we wanted to find answers to. There can be dangerous debris when actual rockets land on the moon, and we want to understand and study its impacts.