



THERMAL & VIBRATION CONTROL



SCHOOL: STEAM ACADEMY MIDDLE SCHOOL

LOCATION: HAZELWOOD, MO

FLIGHT PROVIDER: ASTROBOTIC

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment studies the relationship between various environmental conditions and the vibration of the rocket-powered lander during flight. We hypothesize that if there is a change detected by the environmental sensors, we will then be able to predict changes in the vibrations. Our inspiration is the desire to create a secure environment for astronauts by providing them with early warnings of hazardous changes, such as detecting fluctuations like temperature variations.