



GRANULAR FLOW



SCHOOL: MAKUA LANI CHRISTIAN ACADEMY

LOCATION: KAILUA KONA, HI

FLIGHT PROVIDER: UP AEROSPACE

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment aids the separation of grains within lunar regolith. The majority of these grains are between 45-100 micrometers, making it practically impossible to separate the grains by hand. That job is made easy with the use of our prototype. To prove this separation is possible in zero gravity, this experiment will test the separation of two obloids of different diameters. It uses vibration of a motor attached to a cylinder. The goal is to see if they agglomerate by diameter.