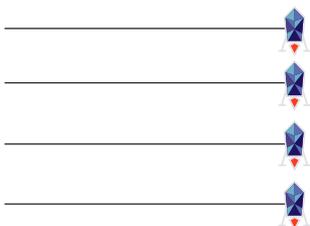


ROCKET FUSION



SCHOOL: WHITE CLOUD JUNIOR HIGH SCHOOL

LOCATION: WHITE CLOUD, MI

FLIGHT PROVIDER: ASTROBOTIC

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment creates 3D scans of the lunar proving ground surface using LiDAR and IR sensors. This will compare the heat and reflectivity of the surface to identify any hidden objects. If we measure the differences in heat and reflexivity, then any anomalies will help us locate the hidden objects. We were inspired by the use of 3D mapping in planetary science. We also were interested in how our experiment relates to finding objects like minerals under or above ground on the moon.