



LUNAR MAPPING AND OBJECT DETECTION



SCHOOL: CREEK WOOD HIGH SCHOOL

LOCATION: CHARLOTTE, TN

FLIGHT PROVIDER: ASTROBOTIC

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment is utilizing a collection of sensors, a GPS, and an inertial measurement unit to collect data from the lunar surface proving ground that will later be translated into a 3D map of the test surface. The data collected from our experiment will result in an innovative 3D map that shows the lunar test field and points of interest. Our team is big into all things space & space travel. While brainstorming, the topic of mapping planets came up, and we all built our experiment off of this.