



LUNAR SCOUT TECHNOLOGY - AN LTV COMPANION



SCHOOL: AMADOR VALLEY HIGH SCHOOL

LOCATION: PLEASANTON, CA

FLIGHT PROVIDER: ASTROBOTIC

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment collects image data of the lunar surface to train a Machine Learning Model to accurately detect lunar surface features and map the terrain. Our hypothesis is: Can the ML model detect lunar surface features accurately? Our experiment is based off of Lunar Scout Landing, which has been used for landing on moon. Another factor was our Step Up Club, dedicated to encouraging young women in STEM. We aspire to be like Sally Ride: physicist, astronaut, and first American woman in space.