



## MARTIAN ASSESSMENT OF RADIATION AND SOIL (M.A.R.S.)



**SCHOOL:** SHASTA HIGH SCHOOL

**LOCATION:** REDDING, CA

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to determine how much radiation Martian soil can block from the atmosphere using regolith. We assume that increasing the amount of Martian soil simulant will enhance its effectiveness in shielding against solar radiation, and provide valuable data to show how astronauts could use Martian soil as radiation shielding on the surface of Mars. The inspiration for this experiment is the future habitation of Mars.