



THERMAL DUST DYNAMICS



SCHOOL: CROSS CREEK EARLY COLLEGE HIGH SCHOOL

LOCATION: FAYETTEVILLE, NC

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We want to see how lunar dust reacts to the aluminum in the space suits/supplies, and learn how the thermal dust layers affect heat transfer and thermal insulation. Our hypothesis is that the insulating effects of lunar dust will decrease thermal conductivity of materials used in space exploration. We found Thermal Dust Dynamics by researching topics and found this did not have a lot of research. We hope our findings will further advance thermal dust layers studies and heat transfer in space.