



PREVENTING LUNAR DUST DAMAGE



SCHOOL: GREATER LOWELL TECHNICAL HIGH SCHOOL

LOCATION: TYNGSBOROUGH, MA

FLIGHT PROVIDER: UP AEROSPACE

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We want to find out if electromagnets will attract lunar dust from the silicon dioxide part of the total composition of dust. In theory, if the electromagnets were to work, it could prevent lunar dust from causing long-term damage to space suits and other space materials. The payload will consist of an LED, camera, lunar dust dispenser and an electromagnet powered by the Arduino inside of a double enclosed chassis.