



MATERIAL DEFENDERS



- SCHOOL: JENKS FRESHMAN ACADEMY
- LOCATION: JENKS, OK
- FLIGHT PROVIDER: WORLD VIEW
- GRADES: MIDDLE/HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

This project aims to quantify differences in radiation protection between different materials. 3 environments will be created, along with a control, to test materials. With cotton, Kevlar felt, and vinyl canvas each covering a UV radiation sensor, we hypothesize the T-shirt will block the most UV radiation because lignin provides natural UV resistance. Our inspiration was to better understand how different materials react to UV exposure, and how UV exposure impacts space vehicles and Earth.