



UV RADIATION COLLECTOR



-  **SCHOOL:** EAST COOPER CENTER FOR ADVANCED STUDIES
-  **LOCATION:** MOUNT PLEASANT, SC
-  **FLIGHT PROVIDER:** WORLD VIEW
-  **GRADES:** HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

The objective of our experiment is to find the lowest thickness of polycarbonate that can be safely used to block UV rays in space. We have 3 thicknesses of polycarbonate being used to see how much UV radiation is reflected. Our hypothesis is polycarbonate with the greatest thickness will be able to block the most UV rays. Our interest in protecting aerospace equipment against radiation in space inspired us to look at polycarbonate as a potential substitute for other costly materials.