



MITIGATION OF ULTRAVIOLET SOLAR RADIATION INVOLVING CALCITE (MUSIC)



SCHOOL: INDEPENDENCE HIGH SCHOOL

LOCATION: ASHBURN, VA

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment will test the efficacy of calcite powder at blocking ultraviolet radiation to assist in future solar radiation management. We hypothesize that if we obstruct the ultraviolet radiation sensor with calcite powder, the powder will successfully deflect UV rays and we will obtain a lower reading than our control measurement. We are growing up in an era where climate change is becoming a prevalent issue, and we were inspired to design a method to make a difference before time runs out.