



## P.U.R.P.O.S.E. ( PROTECTING UV RAYS PREPARATION ON SCIENCE EXPERIMENT)



**SCHOOL:** KICKAPOO NATION HIGH SCHOOL

**LOCATION:** POWHATTAN, KS

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

We're exploring UV exposure in the atmosphere affecting seed germination. Using environmental sensors, our data will be comparing seeds contained within 3 containment vessels to an Earth bound control group. If seeds are exposed to varying UV rays, then they will have more root growth than Earth bound seeds. We chose black, white and clear vessels for varying degrees of UV exposure. The white containment vessel was inspired by space suit designs, due to their high ability to reflect light.