



SOLAR RADIATION EFFECTS ON SEEDS AND METHODS OF PROTECTION



SCHOOL: KIRBY HIGH SCHOOL

LOCATION: KIRBY, AR

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment will take three different bags of seeds with each pack having a different layer of protection. One UV sensor will measure the UV radiation hitting the seeds. We expect the seeds in the paper and plastic bags to receive high amounts of UV radiation, but the seeds in the mylar bag would have less radiation. Our inspiration is that perhaps one day humans will colonize Mars or the Moon, and will need to plant seeds for food, and need to withstand higher UV levels than on Earth.