



THE EFFECTS OF QUANTUM DOT IMPREGNATED RESIN ON HIGH ENERGY ELECTROMAGNETIC RADIATION

SCHOOL: NEW CANAAN HIGH SCHOOL

LOCATION: NEW CANAAN, CT

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL



STUDENT EXPERIMENT DESCRIPTION

Our experiment tests the properties of ZnO quantum dots through UV exposure across a test and control group. We're gathering UV data from both the quantum dot and control group, and hope to learn more about quantum dots in future space travel. Our hypothesis is that the quantum dot group will reveal lower UV readings compared to the control group with no QDs. Our inspiration for this experiment was the dangers of space travel, and how we could possibly make space travel safer for the future.