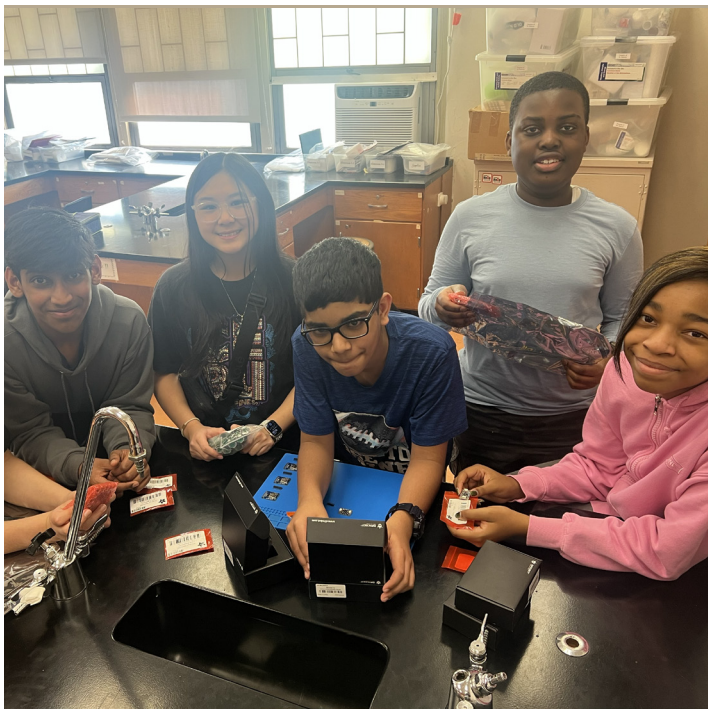

HALOGEN TO OZONE PROPORTIONALITY EXPERIMENT (HOPE)

NASA TECHRISE STUDENT CHALLENGE

SCHOOL: PEARLS HAWTHORNE SCHOOL

LOCATION: YONKERS, NY

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We are measuring the proportionality rates of ozone to CFC over Antarctica to that over the Southwestern US. We hope to learn how much of a difference the global winds made in the creation of the ozone hole. During the flight, we believe our sensors will find a higher percentage of ozone over the western US than what is over Antarctica. Our group initially explored UV rays and the depletion of the ozone layer by researching NASA's website. We plan to continue this research in our experiment.