



HUNTING FOR MICROPLASTICS IN THE STRATOSPHERE



SCHOOL: JOHN F. KENNEDY HIGH SCHOOL

LOCATION: TAMUNING, GU

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experimental device will be able to collect microplastics and bring the specimen down to earth for analysis. The team is exploring the usage of graphene paper with dots of silver nanoparticles that will be able to detect methane gas because of how these elements react when exposed to each other. Electricity will be conducted as the paper interacts with the methane gas and the team will measure the amount of methane based on how much voltage is produced by the chemical reaction.