



## FERROFLUID FIESTA - INVESTIGATING THE ISSUE OF ATMOSPHERIC MICROPLASTIC (MP) POLLUTION



**SCHOOL:** HEREFORD HIGH SCHOOL

**LOCATION:** PARKTON, MD

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to test ferrofluid, which utilizes oil as a carrier, and oil itself, to see which is more viable in atmospheric microplastics collection. We drew inspiration from Fionn Ferreira, who found that ferrofluid had the ability to extract MP's from water. We hypothesize that as atmospheric altitude increases, the concentration of various atmospheric MP's will not change. An experiment of this type has never been tested on land, so we're eager to test ferrofluid in the atmosphere!