



# TMAPE



**SCHOOL:** DUPONT MANUAL HIGH SCHOOL

**LOCATION:** LOUISVILLE, KY

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

## STUDENT EXPERIMENT DESCRIPTION

Our experiment measures microplastics in the upper atmosphere to assess their prevalence and potential climate impact. We hypothesize that microplastic levels will decrease with altitude since most originate from surface emissions. Inspired by our interest in human impacts on the atmosphere, we discovered microplastics and pursued this research. This investigation matters to us because we are passionate about environmental science and understanding how human activities affect our planet.