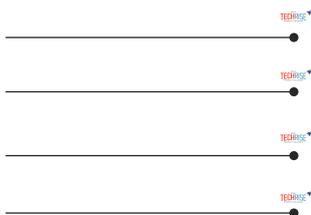


## MEASURING THE TEMPERATURE GRADIENT ACROSS “SPHERES”



**SCHOOL:** CHRISTIANA HIGH SCHOOL

**LOCATION:** NEWARK, DE

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment collects data on the varying temperature changes from the Earth’s surface to the upper atmosphere, as well as measures particulate compositions in the troposphere and stratosphere. We hypothesize that as the balloon gains altitude, the VOC gas content, temperature, and air pressure will decrease. We believe this will help us evaluate the health of Earth’s biomes by looking at how the ozone layer is functioning within the atmosphere.