



## RIISING IMPACT: TRACKING FACTORY GASES AND THEIR EFFECTS ON ATMOSPHERIC QUALITY



**SCHOOL:** WHITE SHIELD ELEMENTARY SCHOOL

**LOCATION:** ROSEGLEN, ND

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** MIDDLE & HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

We aim to investigate the behavior of factory gases - Carbon dioxide, methane, and nitrous oxide - and their subsequent impact on air quality. We hypothesize that our experiment will detect factory gases, and expect the gases to have lightness and greenhouse properties. Our inspiration came from our school's location at the Fort Berthold Indian Reservation, where nearby oil fields and factories impact air quality, motivating us to research and contribute to environmental awareness and policy.