



TO WHAT EXTENT DOES ALTITUDE AFFECT THE LEVEL OF POLLUTION IN THE AIR?



SCHOOL: INTERLAKE SENIOR HIGH SCHOOL

LOCATION: BELLEVUE, WA

FLIGHT PROVIDER: AEROSTAR

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment attempts to find the correlation between particulate matter and altitude. We will use particulate matter sensors and cryogel insulation. Air is carried from the outside through tubing in which the air is heated. Upon entry, the warmer air is analyzed by the particulate matter sensor, especially for smaller particles, and then the air is pushed back out to the atmosphere. A fan will regulate airflow. Simultaneously, an air quality sensor will be running without insulation.