



AIR QUALITY AT DIFFERENT ALTITUDES AND IN DIFFERENT LOCATIONS



SCHOOL: WILLIAM S. COHEN SCHOOL

LOCATION: BANGOR, ME

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We are interested in the air quality at different altitudes and locations. Our idea is to send up an M4 microcontroller on the balloon to take various measurements centered around pollution, measuring gasses including methane (CH₄), carbon dioxide (CO₂), ozone (O₃), and possibly more. We hypothesize that there will be more pollution in areas with larger populations. We also think that the pollution will be concentrated lower in the atmosphere.