

Levanduski Wes
Rael Jessy
Cooper Clay
Ochoa Gary

DESIGN

Purpose

The purpose of this project is to measure the air pressure and temperature variation with altitude. This is an important experiment because we want to see how it changes as our balloon goes up and down in altitude.

Research

Our research for our project came from Mr. Kliewer's lectures but mostly from some internet searching. Mr. Kliewer showed us his project form a few years ago that is similar to ours. We want to try to do our experiment more accurate than Mr. Kliewer did. On the internet, we found out that pressure does decrease with altitude but we want to find how much and we also want to do it better than Mr. Kliewer.

Method

We will use a lab pro, a barometer and a temperature prop to collect our data for our experiment. We will collect data every 10 seconds and leave the balloon at each height for 2 minutes. Also, we may encounter many possible like broken equipment, a poor design, we couldn't get it done on time but our main problem would be if for some reason we could not take data on the test day.

Hypothesis

Our hypothesis is that as we send the lab pro and other devices up into the altitude, the air pressure and temperature will decrease as the altitude increases and will increase as the balloon comes back down.