Air Pollution Background

- Causes nearly seven million deaths globally (world health organization, 2012).
- Ground-level ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, airborne particles are manmade pollutants within our air.
- Increase the risk of respiratory disease, lung disease, asthma attacks, and etc (Lu, 2015).
- 10 micrometers or smaller particles matter can be inhaled into the lungs and potentially into bloodstream and may pose great threat to health. (Environmental Protection Agency, 2020).

Project Goal

The goal of my EcoliteracySCHOOL project is to help students understand the health issues associated with air pollution, by crowdsourcing air quality sampling ideas from students, conducting sampling, and sharing findings with students.

Project Plans

- Measure PM1, PM2.5, and PM10 pollutants with Atmotube Pro device
- collected data of before, during, and after a burn candle,, burn oil, disinfecting wipes, car emission.
- shared the information with EcoliteracySCHOOL

Discussion

Air quality can affect our health in many ways which is why it is important to measure the quality of our air and understand actions that we could take to reduce air pollution. How we can solve the issue is by increase the use of green energy, decrease fossil fuels, and take steps to reduce indoor air pollution, and etc.

I learned that the health of the population as a whole can be affected by air pollution. Air pollution does not only affect humans but also the environment by causing climate change. What I learned from leadership is talk less, listen more. Accepting different opinion allow everyone to be heard.

References