



# THE CLOUD BUFFER



**SCHOOL:** BOTHELL HIGH SCHOOL

**LOCATION:** BOTHELL, WA

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** HIGH SCHOOL

## STUDENT EXPERIMENT DESCRIPTION

Using a peristaltic pump, we will construct a titration apparatus and use a pH indicator with a video camera to obtain data and create a titration curve to learn how a blood-like solution behaves in an extreme environment. We hypothesize that the rate of titration would decrease in the atmosphere because of the reduced pressure leading to a reduced number of particle-particle interactions. Buffers were in AP Chem and we wanted to do an experiment about that because it was interesting.