


COSMIC RADIATION AND CO2 EMISSIONS RESEARCH



-  **SCHOOL:** MAT-SU CAREER AND TECHNICAL HIGH SCHOOL
-  **LOCATION:** WASILLA, AK
-  **FLIGHT PROVIDER:** ASTROBOTIC
-  **GRADES:** HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We will measure CO2 levels through temperature and humidity fluctuations, and test cosmic radiation shielding materials. The CO2 data will help us to understand the atmospheric effects that occur during flight. The Geiger counters will allow us to test the efficacy of high-density polyethylene as a low-cost, radiation-shielding material. We believe that we will witness how temperature and humidity play a huge role in CO2 levels, as well as see how cosmic radiation impacts different materials.