



TEMPERATURE AND DIFFUSION: UNDERSTANDING FLUIDS IN THE ATMOSPHERE



SCHOOL: STEM LAB K-8

LOCATION: NORTHGLENN, CO

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment investigates how a blood proxy disperses in different atmospheric pressures. We hypothesize that as the payload rises through the atmospheric layers, the food coloring will mix with the water at a slower rate due to a decrease in temperature. Our inspiration for this experiment was the fusion of two newly learned concepts in our classes - diffusion and the atmosphere. The idea came to a teammate when they were cooking and using food coloring.