



THE EFFECT OF HIGH ALTITUDE ON COLOR PERCEPTION



SCHOOL: SAXE MIDDLE SCHOOL

LOCATION: NEW CANAAN, CT

FLIGHT PROVIDER: AEROSTAR

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment intends to answer the question, “Does high altitude have an impact on the way that humans perceive different wavelengths of color?” We will use a camera and a color sensor to sense 8 different color swatches throughout the duration of the flight. We will analyze the data to see if the camera or sensor could not sense the correct colors during flight. If they can’t sense the colors we programmed them to recognize, this could imply that the color perception changed during flight.