



AEROLYFT



SCHOOL: ADEL DESOTO MINBURN MIDDLE SCHOOL

LOCATION: ADEL, IA

FLIGHT PROVIDER: WORLD VIEW

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

In our experiment, we look to collect rotor data to test the efficiency to compare with different atmospheric densities similar to other celestial bodies by operating a drone rotor at different altitudes. As altitude increases, the surrounding air pressure decreases. We hypothesize that the lower pressure will reduce the rotor's effectiveness. Our team was curious to learn more about rotors and how they are affected by the earth's atmosphere and its changes in pressure when altitude increases.