



SPACE JUNK COLLECTOR



SCHOOL: ST. PAUL OF THE CROSS SCHOOL

LOCATION: PARK RIDGE, IL

FLIGHT PROVIDER: UP AEROSPACE

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

The Alligator Space Junk Collector is a magnetic receptor that will catch small metallic pieces that are floating in space. The experiment has a servo operated box that will have simulated metallic space junk consisting of screws, nuts, springs and washers that will spring open once it reaches apogee. A camera will video record the event where the pieces are ejected out of the box and how much metal is collected by the alligator design.