



## THE GRAVITY GLOVE



**SCHOOL:** SURFSIDE ELEMENTARY SCHOOL

**LOCATION:** SATELLITE BEACH, FL

**FLIGHT PROVIDER:** ASTROBOTIC

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

We're using electromagnetics to create a glove that can pick up small metal objects. Copper and iron are used to create the electromagnet while an altitude and pressure sensor opens a box of paperclips. If we test magnets at higher altitudes and vibrations, then the magnet will work the same as it does on Earth. Our team is interested in magnetism and how it works in space. We were inspired to create an experiment to help out astronauts with hard space missions, focused on quality of life.