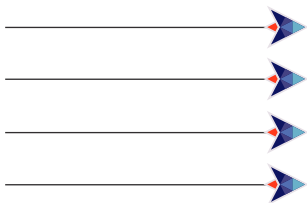


OOBLECK IN MICROGRAVITY



SCHOOL: SAINT MARY'S MIDDLE SCHOOL

LOCATION: SAINT MARYS, GA

FLIGHT PROVIDER: BLUE ORIGIN

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

In our experiment, we will create oobleck in microgravity and study its properties. A syringe will inject water into the cornstarch and begin the irritation process, causing it to combine. Our mixer has 4 attachments that rotate 180 degrees, covering the entire circumference of the container which holds the fluid. We'll test the resistance of the oobleck as we stir it. We hope to learn about how non-Newtonian fluids behave in microgravity after stress is applied.