



ARTIFICIAL GRAVITY



SCHOOL: HOLLY SPRINGS HIGH SCHOOL

LOCATION: HOLLY SPRINGS, NC

FLIGHT PROVIDER: UP AEROSPACE

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We want to study artificial gravity in space, as it could make living in space more viable because of the ability to maintain bone density. Our design is a centrifuge that spins 187rpms to create 1G of force. This force would mimic gravity while the rocket is in microgravity to prove that it's possible to create artificial gravity in space. We will use an Arduino to control the motor and collect data from the accelerometer.