



## STAB SCIENCE



**SCHOOL:** GREELY MIDDLE SCHOOL

**LOCATION:** CUMBERLAND, ME

**FLIGHT PROVIDER:** BLUE ORIGIN

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment is called “stab science” and tests how blood reacts in microgravity. We are going to make a small incision on a piece of fake skin to find out the best way to heal astronauts in the future. Our experiment has a blade that stabs a 3D printed cylinder with blood in it. A solenoid thrusts the blade into the skin releasing the blood inside. When stabbed the syringe will be able to push blood through the tubes. The tubes lead to a second solenoid that pushes blood into the cylinder.