



PASCAL IN SPACE



SCHOOL: BURLINGTON TECHNICAL CENTER

LOCATION: BURLINGTON, VT

FLIGHT PROVIDER: BLUE ORIGIN

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our team wants to test Pascal's Law of Hydraulics in microgravity. We know that Pascal's law works in Earth's gravity, but we want to learn if hydraulic pressure works the same way in space. We created a capsule for the hydraulic tube, so it stays put once it reaches microgravity. The expected outcome in microgravity, is that the pressure from a pressure gauge when pushed down on one side of the hydraulic tube creates pressure on the other.