



THE PRINTOSPHERE



SCHOOL: SHEPHERD HIGH SCHOOL

LOCATION: SHEPHERD, MI

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to test the effects of extreme conditions - temperature, humidity, pressure, and radiation exposure - on three different types of 3D printing filament. We hypothesize that spacelike conditions will weaken all of the filaments, however, the PAHT filament will be most resistant. Our inspiration was long-term space travel and NASA's overall mission.