



FUTURISTIC FARMING



SCHOOL: SCOTCH PLAINS-FANWOOD HIGH SCHOOL

LOCATION: SCOTCH PLAINS, NJ

FLIGHT PROVIDER: BLUE ORIGIN

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment will measure water moisture levels in rock wool to determine how water is distributed in microgravity. Our experiment design consists of a custom “sprinkler system” with two sprinkler heads, pots filled with rock wool, wires, and tubes to spread the water. A syringe will release the water as the rocket reaches microgravity, and we will be using moisture sensors and a camera to capture data. The findings from our experiment will help us learn more about farming in microgravity.