



HOW WATER MOVES THROUGH SOIL IN MICROGRAVITY



SCHOOL: HUNTLEY PROJECT SCHOOLS

LOCATION: WORDEN, MT

FLIGHT PROVIDER: BLUE ORIGIN

GRADES: MIDDLE SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment tests how water moves through soil in microgravity. We will use a syringe system with a small plastic tube to push water through the soil and a fine mesh screen or dialysis tubing to keep the soil and water separated. A rotating motor will cause water to slowly leak through the dialysis tube or mesh screen and go into the soil and we'll be able to figure out how many layers of soil get wet. The findings of the experiment will contribute to the study of agriculture in space.