



## THE EFFECTS OF UV RAYS ON THE GERMINATION OF HEINZEED TOMATO SEEDS



**SCHOOL:** ODYSSEY ACADEMY

**LOCATION:** GALVESTON, TX

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to test a technique that may accelerate plant growth in space. We will use the “hydration-dehydration technique” to treat the seeds before flight. Tomatosphere seeds (previously exposed to microgravity) will be used to see if exposure to near-space conditions for a second time affects the germination rate. Atmospheric conditions will also be recorded during the flight. We will have control seeds on earth, and the seeds will be planted after flight to track the germination rate.