



## TRANSPORTATION OF THE FIRST CROP: ALFALFA



**SCHOOL:** GREATER LOWELL TECHNICAL HIGH SCHOOL

**LOCATION:** TYNGSBORO, MA

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

This experiment explores the best way to keep Alfalfa seeds viable during transportation from Earth to Mars. We hypothesize that using soils as shielding material during transport is one possible solution. We will test four boxes of seeds, protected by three different materials, against a control without shielding. Additionally, air pressure, temperature, and radiation will be tracked during the flight. Upon return, the seeds will be planted to see how well the shielding functioned.