



BLOOMGUARD PACKAGING (BGP)



SCHOOL: MID-PACIFIC INSTITUTE

LOCATION: HONOLULU, HI

FLIGHT PROVIDER: WORLD VIEW

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We're examining Algix' ability to serve as a sustainable food packaging material while enduring different environmental conditions in the stratosphere. We hypothesize that an algae-based 3D printer filament is a comparable substitute to traditional food packaging material. We were inspired to incorporate sustainability with functionality to ensure freshness of produce in high altitude environments and incorporate more sustainable alternative packaging that meet space exploration standards.