



## EFFECTS ON SKIN EXPOSED TO SOLAR RADIATION AT HIGH ALTITUDES



**SCHOOL:** DICKSON MIDDLE SCHOOL

**LOCATION:** DICKSON, TN

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our experiment aims to measure the effects of solar radiation on skin and test various types of sunblock to help prevent damage to the skin in the upper atmosphere. We have three synthetic skin samples that will be tested. One is the control group with no sunblock, the other uses commercial-grade sunblock, and the third will use medical-grade sunblock. We will use a stepper motor and two applicators to apply the sunblock across the skin samples.