



## RADIATION RESISTANT 3D FILAMENT



**SCHOOL:** HOLY TRINITY EPISCOPAL ACADEMY

**LOCATION:** MELBOURNE, FL

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

This experiment is a test of the radiation protectiveness of different materials. We will have four boxes and one control outside of a box. Each protected box will be made of or surrounded by a different material, including mylar, polyethylene, standard 3d filament, and PEEK filament, which is radiation resistant. Additionally, each box will include a Geiger counter to gauge the protectiveness of each material.