



# THE EFFECTS COSMIC RAYS HAVE ON PLANT SEEDS



**SCHOOL:** OPHIR MIDDLE SCHOOL

**LOCATION:** GALLATIN GATEWAY, MT

**FLIGHT PROVIDER:** WORLD VIEW

**GRADES:** MIDDLE SCHOOL

## STUDENT EXPERIMENT DESCRIPTION

Our experiment consists of sending 5 species of seeds into the stratosphere to observe radiation and its effects on the seeds. We hypothesize that increased radiation at 70,000 feet will affect the seeds' development. Once returned, we will observe any genetic mutations or physical distortions that might have developed. We were inspired by NASA's Veggie mission, which grows plants in microgravity on the Space Station, and to prove that we can grow vegetables even after exposure to radiation.