



Buenas Días

Good Morning

Idaho, Montana, Utah

Summer of Innovation

Ta'c kuléewit

Ya' ah' teeh



IMU - SOI



- Brought NASA to Tribal reservations and areas with high Hispanic populations
- Week long student and teacher experiences in 11 locations in Idaho, Montana, and Utah. More student programs in the fall.
- Traveling teams of teachers, undergraduate and graduate students, professors, and education professionals.

Service Areas



Workshop locations are on or near all of the Tribal reservations in Idaho, two in Montana, and three in Utah.

The other sites are situated in areas of high Latino populations, such as Nampa, Homedale, Burley, and Blackfoot, ID

Comparison



1,067 Miles



860 Miles

Teacher Workshops













Rockets!



- Explored concepts of propulsion, trajectory, drag, friction, and lift
- Blast off! Designed, constructed, redesigned, and launched model rockets, rocket cars, and balloon powered vehicles.

Robotics



- Explored concepts of logic, mechanics, and programming
- Constructed robotic hands and Brush Bots
Thanks to Art Kimura,
Hawaii Space Grant.
- Team competitions in speed and Sumo!
- Encourage students to participate in FIRST programs



Plants, Nutrition, and Physical Activity



- Explored concepts of nutrition, exercise, and physiology
- Challenges of eating and exercise in zero gravity.
- Train like and astronaut!
- Food pods - Growing food in an enclosed environment.



Other Topics



- Cosmology
 - Constellations
 - Traditional Stories
- Flight-Aeronautics
 - Wing and fin shapes
 - Lift and drag
 - Paper kites
 - Hot air balloons
- Other planets
 - Geology
 - Formations



Outcomes

- Established excellent connections in the communities.
- Students enjoyed hands-on science
- Formed partnerships with other programs
- Next year?
Communities expect us back!





Gracias

Ahe'hee



Qe'ciyéwyéw

Thank you